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OM nucleic - nucleic search, using sw model

Run on: October 5, 2002, 13:59:02 ; Search time 93.19 Seconds

(without alignments)
10443.180 Million cell updates/sec

Title: US-08-153-397A-1

Perfect score: 3962.
Sequence: 1 CGGGCCTGAGACTGGGGTGA..... AAAARAAAAACCGGAATTC 3962.

Scoring table: IDENTITY_NUC ;
Gpop 10.0 , Gapext 1.0

Searched: 383533 seqs, 12816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cn2_6/podata/2/ina/5A_COMB.seq:*

2: /cn2_6/podata/2/ina/5B_COMB.seq:*

3: /cn2_6/podata/2/ina/5A_COMB.seq:*

4: /cn2_6/podata/2/ina/5B_COMB.seq:*

5: /cn2_6/podata/2/ina/PC1US_COMB.seq:*

6: /cn2_6/podata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 3962 100.0 3952 1 US-08-336-343A-1 Sequence 1, Appli

2 3451 87.1 3637 1 US-08-441-640-3 Sequence 3, Appli

3 3451 87.1 3637 3 US-08-170-558-3 Sequence 3, Appli

4 3451 87.1 3637 3 US-08-447-314-3 Sequence 3, Appli

5 3451 87.1 3637 3 US-08-441-461-3 Sequence 7, Appli

6 1192.2 30.1 1197 3 US-08-441-640-7 Sequence 7, Appli

7 1192.2 30.1 1197 3 US-08-170-558-7 Sequence 7, Appli

8 1192.2 30.1 1197 3 US-08-441-314-7 Sequence 7, Appli

9 1192.2 30.1 1197 3 US-08-441-461-3 Sequence 7, Appli

10 642 16.2 3157 1 US-08-336-343A-3 Sequence 3, Appli

11 642 16.2 3157 1 US-08-336-343A-5 Sequence 5, Appli

12 639.8 16.1 3120 2 US-08-446-547B-19 Sequence 19, Appli

13 639.8 16.1 3120 2 US-08-237-401A-19 Sequence 7, Appli

14 182.2 4.6 2820 1 US-08-286-308A-4 Sequence 4, Appli

15 182.2 4.6 2820 2 US-08-440-816A-4 Sequence 4, Appli

16 182.2 4.6 2820 4 US-09-417-381A-4 Sequence 4, Appli

17 182.2 4.6 2820 4 US-09-417-381A-4 Sequence 4, Appli

18 180.6 4.6 2301 5 PCT-US93-06251-78 Sequence 19, Appli

19 180.6 4.6 2301 5 PCT-US93-06251-78 Sequence 78, Appli

20 180.6 4.6 3060 1 US-08-286-308A-6 Sequence 6, Appli

21 180.6 4.6 3060 2 US-08-441-101A-6 Sequence 6, Appli

22 180.6 4.6 3060 4 US-09-417-381A-6 Sequence 6, Appli

23 180.6 4.6 3060 6 US-09-417-381A-6 Sequence 6, Appli

24 180.6 4.6 3194 2 US-08-286-846A-1 Sequence 1, Appli

25 180.6 4.6 3194 2 US-08-457-889A-1 Sequence 1, Appli

26 180.6 4.6 3194 3 US-08-444-622A-1 Sequence 1, Appli

27 180.6 4.6 3194 3 US-08-444-622A-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-08-336-343A-1

Sequence 1, Application US/08336343A

Patent No. 5677144

GENERAL INFORMATION:

APPLICANT: Ullrich, Axel

APPLICANT: Alves, Frauke

TITLE OF INVENTION: CCK-2, A NO. 5677144el Receptor Tyrosine Kinase

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADRESSEEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/336,343A

FILING DATE: 08-NOV-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Corrissi, Laura A.

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-065

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TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3962 base Pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 321..3077

Query Match Best Local Similarity 100.0%; Score 3962; DB 1; Length 3962;

	Matches	3962;	Conservative	0;	Mismatches	0;	Indels	0;	gaps	0;
Qy	1	CGGGCCCTGAGACTGGGGTGA	TGGGACTAAGAGATCTCTGAGCTTGAGGATGCGATGCCCGACAG	60						1140
Db	1	CGGGCTTGTAGACTGGGGTGA	TGGGACTAAGAGATCTCTGAGCTTGAGGATGCGATGCCCGACAG	60						1140
Qy	61	CTGCCTCTGGAGGCCCTCCGAC	ACCCAGGGCGGCCCTCCGAC	120						1200
Db	61	CTGCCTCTGGAGGCCCTCCGAC	ACCCAGGGCGGCCCTCCGAC	120						1200
Qy	121	CGGCCTCTGGCTCCCTCCGAC	CTGGGCTCCCTCCGAC	180						180
Db	121	CGGCCTCTGGCTCCCTCCGAC	CTGGGCTCCCTCCGAC	180						180
Qy	121	CGGCCTCTGGCTCCCTCCGAC	CTGGGCTCCCTCCGAC	180						180
Db	121	CGGCCTCTGGCTCCCTCCGAC	CTGGGCTCCCTCCGAC	180						180
Qy	241	TCACTGAGCATGGGGTTGAC	TGAGGATGCGAAGAGATGCGCAGAGATGCGCAGAGGCGCCCTG	300						300
Db	241	TCACTGAGCATGGGGTTGAC	TGAGGATGCGAAGAGATGCGCAGAGGCGCCCTG	300						300
Qy	301	GGCCGAGGGATCAGGCTTGG	ACCGAGGCGCCCTGTCATTTACGCTGCTGCT	360						360
Db	301	GGCCGAGGGATCAGGCTTGG	ACCGAGGCGCCCTGTCATTTACGCTGCTGCT	360						360
Qy	361	TGGTGGCAAGTGGAGATGCT	GACATGAGGACATTGATCCAGCTGCGCTATG	420						420
Db	361	TGGTGGCAAGTGGAGATGCT	GACATGAGGACATTGATCCAGCTGCGCTATG	420						420
Qy	421	CCCTGGCAGGAGGACGAC	CACATCCGACAGTGCACATCTCTCCAGTGCCTG	480						480
Db	421	CCCTGGCAGGAGGACGAC	CACATCCGACAGTGCACATCTCTCCAGTGCCTG	480						480
Qy	481	CAGATTCACATGCCGCCGCA	CACAGGGTTGAGAGCATGAGGAGCTGAGCTGAGGAGT	540						540
Db	481	CAGATTCACATGCCGCCGCA	CACAGGGTTGAGAGCATGAGGAGCTGAGCTGAGGAGT	540						540
Qy	541	GCCCCCAGGGCTGGT	TTCACGAGGAGGACTCTGGCTGCTAACGAC	600						600
Db	541	GCCCCCAGGGCTGGT	TTCACGAGGAGGACTCTGGCTGCTAACGAC	600						600
Qy	601	TCACTGCTGGCTGGCTG	GGGGGACCCAGGAGCATGGGCTGGCAGAGGAST	660						660
Db	601	TCACTGCTGGCTGGCTG	GGGGGACCCAGGAGCATGGGCTGGCAGAGGAST	660						660
Qy	661	TCTCCGGACTTACCGGCTG	TACTCCGGATGGTGGCCGTGGATGGGAAGC	720						720
Db	661	TCTCCGGACTTACCGGCTG	TACTCCGGATGGTGGCCGTGGATGGGAAGC	720						720
Qy	721	ACCGCTGGCTAGAGGAGT	CTCAGGATGAGGACCTGAGGAGGCTGCTGAAG	780						780
Db	721	ACCGCTGGCTAGAGGAGT	CTCAGGATGAGGACCTGAGGAGGCTGCTGAAG	780						780
Qy	781	ACCTGGGCCCCATGGGCTG	GGGGGACTGGCTGGCTGGCTGGCTGGCTGG	840						840
Db	781	ACCTGGGCCCCATGGGCTG	GGGGGACTGGCTGGCTGGCTGGCTGGCTGG	840						840
Qy	841	TGAGTGTCTCTCGGGTAGAG	CTCTGGCTGGCTGGCTGGCTGGCTGGCTGG	900						900
Db	841	TGAGTGTCTCTCGGGTAGAG	CTCTGGCTGGCTGGCTGGCTGGCTGGCTGG	900						900
Qy	901	ACACGCCCTGCTGGGAGA	CTGAGACTGTTACTCTGAGCCGCTTACCAAGACTCA	960						960
Db	901	ACACGCCCTGCTGGGAGA	CTGAGACTGTTACTCTGAGCCGCTTACCAAGACTCA	960						960
Qy	961	CTCTAGACGGACATGCCG	GGGGGACTGGCTGGCTGGCTGGCTGG	1020						1020
Db	961	CTCTAGACGGACATGCCG	GGGGGACTGGCTGGCTGGCTGGCTGG	1020						1020
Qy	1021	GTGTGTGGGGCTG	TAGACTTTAGAGAGTAGCTGGGGCTGGCTGG	1080						1080
Db	1021	GTGTGTGGGGCTG	TAGACTTTAGAGAGTAGCTGGGGCTGGCTGG	1080						1080
Qy	1081	ACTATGTGGATGAGCA	ACCCACACTCTCCAGTGCTATGAGAGATG	1140						1140
Db	1081	ACTATGTGGATGAGCA	ACCCACACTCTCCAGTGCTATGAGAGATG	1140						1140
Qy	1141	TTGACCGGCTGAGGGCCT	TTCAGGCTATGAGGATGAGATG	1200						1200
Db	1141	TTGACCGGCTGAGGGCCT	TTCAGGCTATGAGGATGAGATG	1200						1200
Qy	1201	GAGCCGCTCTGGG	CTGGGATGTTGCTTCCGGCTGCTGGCT	1260						1260
Db	1201	GAGCCGCTCTGGG	CTGGGATGTTGCTTCCGGCTGCTGGCT	1260						1260
Qy	1201	TCTCATGGCTGCT	TGCGCTTCTGGGCTGCTGGCT	1380						1380
Db	1201	TCTCATGGCTGCT	TGCGCTTCTGGGCTGCTGGCT	1380						1380
Qy	1381	GGCCCTGGCTTGG	TCTCGAGGATGCGCTTCTCGAGTGTG	1440						1440
Db	1381	GGCCCTGGCTTGG	TCTCGAGGATGCGCTTCTCGAGTGTG	1440						1440
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Db	1441	CGGCACTGGGACACT	TCCGGCTGCGCTATGCGCTATG	1500						1500
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Db	1501	ACTTCAGCACTTGG	TGAGCTTCAGCACTTCAGC	1560						1560
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Db	1561	GCCGACCCCATCTCAT	GGGCTGCTGGCATCTGCCTG	1620						1620
Qy	1621	TGCCCCTCTCTGG	GGGGCTGCTCCAGGCTTCTG	1680						1680
Db	1621	TGCCCCTCTCTGG	GGGGCTGCTCCAGGCTTCTG	1680						1680
Qy	1681	TGTTGAAGAGGAGCT	TGAGGCTGAGGGTCTGCTG	1740						1740
Db	1681	TGTTGAAGAGGAGCT	TGAGGCTGAGGGTCTGCTG	1740						1740
Qy	1741	ACCGCCAGGCTCTC	TAGAGGCCACCCCTTACCGAGGAGGCCGCGCTCGGG	1800						1800
Db	1741	ACCGCCAGGCTCTC	TAGAGGCCACCCCTTACCGAGGAGGCCGCGCTCGGG	1800						1800
Qy	1801	CCACACTCCCTCTG	TGCCCCATGGCTGCTGCTCTCCAACTCCAGCTAC	1860						1860
Db	1801	CCACACTCCCTCTG	TGCCCCATGGCTGCTGCTCTCCAACTCCAGCTAC	1860						1860
Qy	1861	GCCTCTCTTGCC	ACTTACGGCCCTCCAGGAGGCTCCAGGAGGAGGCCGCGCTCGGG	1920						1920
Db	1861	GCCTCTCTTGCC	ACTTACGGCCCTCCAGGAGGAGGCCGCGCTCGGG	1920						1920
Qy	1921	GGGCAAAACCA	ACACCAACCCAGGCTACAGTGGGGACTATAGGAGGAGCC	1980						1980
Db	1921	GGGCAAAACCA	ACACCAACCCAGGCTACAGTGGGGACTATAGGAGGAGCC	1980						1980
Qy	1981	GGCCCCGCTCTG	TGCCCCACTCTCCAGACAGCTGCTGCTGCTG	2040						2040
Db	1981	GGCCCCGCTCTG	TGCCCCACTCTCCAGACAGCTGCTGCTGCTG	2040						2040
Qy	2041	TGTTACCTG	CAGGGGACTACGGCTTCTGAGGAGCTGAGGAGGAGCC	2100						2100
Db	2041	TGTTACCTG	CAGGGGACTACGGCTTCTGAGGAGCTGAGGAGGAGCC	2100						2100
Qy	2101	GGGAGTCGGG	ATGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	2160						2160
Db	2101	GGGAGTCGGG	ATGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	2160						2160

QY 2161 AGAGGCTTGGCAGGGCGTCTGGGAGGTGACCTGTTGAGGTGACAAGCCTCAAG 2220
 Db 2161 AGAGGCTTGGCAGGGCGTCTGGGAGGTGACCTGTTGAGGTGACAAGCCTCAAG 2220
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 Db 2221 ATCAGGTCAGTCAGTGTGATTCCTCTTAATGTTGCTTAAGGAGAACCCCTTGCTGTAGCTG 2280
 QY 2281 TCGAGATTTACGCCAGATGCCACCAAGAATGGCTCAGCTCCCTGTCCTCCAGGAATG 2340
 Db 2281 TCGAGATTTACGCCAGATGCCACCAAGAATGGCTCAGCTCCCTGTCCTCCAGGAATG 2340
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 Db 2341 ATTTCCTGAAAGAGGTGAGATGATGTTGAGGCTCAAGGACCCACATCATTCGGCTC 2400
 QY 2401 TGGCGTGTGTGTCAGGAGCACCCCTGTGATGATGATGACTACAGCTACAGGGAGC 2460
 Db 2401 TGGCGTGTGTGTCAGGAGCACCCCTGTGATGATGATGACTACAGCTACAGGGAGC 2460
 QY 2461 ACTCAACCAGCTCTCTGTCAGGCCACCAAGTGGAGGAGAGCAGCCCTG 2520
 Db 2461 ACTCAACCAGCTCTCTGTCAGGCCACCAAGTGGAGGAGAGCAGCCCTG 2520
 QY 2521 GCGACGGCAGGCTGCGAGGGCCACCATGAGTACCAAGTGCATGCTGTGGCG 2580
 Db 2521 GCGACGGCAGGCTGCGAGGGCCACCATGAGTACCAAGTGCATGCTGTGGCG 2580
 QY 2581 CCCAGATGCCCTGGCATGCCATATGCCCTATGCCACACTTGTACATCGGACCTGG 2640
 Db 2581 CCCAGATGCCCTGGCATGCCATATGCCCTATGCCACACTTGTACATCGGACCTGG 2640
 QY 2641 CCACTGGGAACTGCTGTTGGAAATTTCACCAAAATGCGAGCTTGGCATG 2700
 Db 2641 CCACTGGGAACTGCTGTTGGAAATTTCACCAAAATGCGAGCTTGGCATG 2700
 QY 2701 GCGACGAACTCTGCTGGGACTATACCGTGTGCAAGGGGGAGTGTGCTGCCATCC 2760
 Db 2701 GCGACGAACTCTGCTGGGACTATACCGTGTGCAAGGGGGAGTGTGCTGCCATCC 2760
 QY 2761 GCTGGATGGCTGGACTGTCATCTCAGGGAAAGTTCACGACTGCGAGTGTGG 2820
 Db 2761 GCTGGATGGCTGGACTGTCATCTCAGGGAAAGTTCACGACTGCGAGTGTGG 2820
 QY 2821 CCTTGGTGTGACCCCTGGAGTGTACCTCTCTGAGGCCACCCCTGGGAGC 2880
 Db 2821 CCTTGGTGTGACCCCTGGAGTGTACCTCTCTGAGGCCACCCCTGGGAGC 2880
 QY 2881 TCACCGACGACGGCTCATCGAACGCCGGGAGTCTCGGGACCAAGGGCGGAGG 2940
 Db 2881 TCACCGACGACGGCTCATCGAACGCCGGGAGTCTCGGGACCAAGGGCGGAGG 2940
 QY 2941 TTGACTCTGTCGGCGCTCTCTGCCCGAGGGCTATATGAGCTGATGCTCGGNGCT 3000
 Db 2941 TTGACTCTGTCGGCGCTCTCTGCCCGAGGGCTATATGAGCTGATGCTCGGNGCT 3000
 QY 3001 GGAGCGGGAGCTGAGCACGCCCTTTCAGCTGAGCTGAGCTGAGCTGAGCTG 3060
 Db 3001 GGAGCGGGAGCTGAGCACGCCCTTTCAGCTGAGCTGAGCTGAGCTGAGCTG 3060
 QY 3061 ATGCACTCAACCGGTGTGATCATCACATCCAGCTGCCCTCCTCAGGGAGTGTGAG 3120
 Db 3061 ATGCACTCAACCGGTGTGATCATCACATCCAGCTGCCCTCCTCAGGGAGTGTGAG 3120
 QY 3121 GGAGCCAGTGCACATAAACAGAGGACACAACTGACCTCTGCCCTCCTCCCGA 3180
 Db 3121 GGAGCCAGTGCACATAAACAGAGGACACAACTGACCTCTGCCCTCCTCCCGA 3180
 QY 3181 CAGCCATACCTCTATAGGGCAGTGTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 3240
 Db 3181 CAGCCATACCTCTATAGGGCAGTGTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 3240
 QY 3241 CTGATGCCCTTCCTCCCTCTGGACACACTCTGTCCTCTCTCTCC 3300
 ; RESULT 2
 ; US 08-445-640-3
 ; Sequence 3, Application US/08445640
 ; Patent No. 5,708858
 ; GENERAL INFORMATION:
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Mark, Melanie R.
 ; APPLICANT: Scadden, David T.
 ; APPLICANT: Baker, Kevin P.
 ; TITLE OF INVENTION: Protein Tyrosine Kinases
 ; NUMBER OF SEQUENCES: 35
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: patin (Genetech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/445, 640
 FILING DATE: 22-MAY-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28, 8116
 REFERENCE/DOCKET NUMBER: 854C2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3637 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 ;
 US-08-445-640-3

Query Match Best Local Similarity 87.1%; Score 3451; DB 1; Length 3637;
 Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY	256	GTTGGACTGTGAGGAATGCCAAGAGATGCTGCACCCCTAGGCCCGAGGATCAG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	17	GTTGGACTGTGAGGAATGCCAAGAGATGCTGCCCGCCACCCCTAGGCCCGAGGATCAG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	316	GACCATGGGACAGAGGCCGCTGCACCTTACTGCAGCTCTGCTGAGTCAGGAGATCAG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	77	GAGCTATGGACCAAGAGGCCGCTGCACCTTACTGCAGCTCTGCTGAGTCAGGAGATCAG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	376	AATCTGACATGAGGACATTGATCTGCCAAGTGCCGATGCCGATGGCATGGAG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	137	AATCTGACATGAGGACATTGATCTGCCAAGTGCCGATGCCGATGGCATGGAG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	436	ACGGGACCATCCCAGACAGCTGACATCTCTGCCAAGCTCCAGATACAGTCGG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	197	ACGGGACCATCCCAGACAGCTGACATCTCTGCCAAGCTCCAGATACAGTCGG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	496	CCGGCACAGCAGGTTGAGGCCGACTGACGGGATGGGCCAGGGCTGGAGGCTGG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	257	CCGGCACAGCAGGTTGAGGCCGACTGACGGGATGGGCCAGGGCTGGAGGCTGG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	556	TGTTCCAAAGAGGAGGAGGAGTCTGAGGAGGAGTCTGAGGAGGAGTCTGAGGAG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	317	TGTTCCAAAGAGGAGGAGTCTGAGGAGGAGTCTGAGGAGGAGTCTGAGGAG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	616	TGTTGGGACCCAGGGAGGAGTCTGAGGAGGAGTCTGAGGAGGAGTCTGAGGAG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	377	TGTTGGGACCCAGGGAGGAGTCTGAGGAGGAGTCTGAGGAGGAGTCTGAGGAG	Db	677	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	676	GCTGCTTACTTCCGGATGTCGGCGCTGGATGGCTGGAGGACCCCTGGGTCA	Db	617	GGTAGAGCTATGGCTGGCGCTGGAGGATGGCTGGAGGATGGCTGGGTGG
QY	437	GCTGCTTACTTCCGGATGTCGGCGCTGGATGGCTGGAGGACCCCTGGGTCA	Db	916	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	736	AGGTGATCTCAGCAATGAGAACCTGAGGAGGAGTCTGAGGAGGAGTCTGAGGAG	Db	1096	GCACCACTAGCTCTCAGTGGCTATGGAGATGGAGATGGTTACCGGGTGTG
QY	497	AGGTGATCTCAGCAATGAGAACCTGAGGAGGAGTCTGAGGAGGAGTCTGAGGAG	Db	857	GCACCACTAGCTCTCAGTGGCTATGGAGATGGAGATGGTTACCGGGTGTG
QY	796	TGTTGGCAGCTGGTGTCTACCCCCGGTACCGSGTCAAGAGTCTGAGGAGGAGTCTGAGGAG	Db	916	GGCAGACATGATAATGAGGCCGCTTACCAACACTCACCAAGCTGAGTCAGGAGACA
QY	557	TGTTGGCAGCTGGTGTCTACCCCCGGTACCGSGTCAAGAGTCTGAGGAGGAGTCTGAGGAG	Db	1096	GCACCACTAGCTCTCAGTGGCTATGGAGATGGAGATGGTTACCGGGTGTG
QY	497	AGGTGATCTCAGCAATGAGAACCTGAGGAGGAGTCTGAGGAGGAGTCTGAGGAG	Db	1096	GCACCACTAGCTCTCAGTGGCTATGGAGATGGAGATGGTTACCGGGTGTG
QY	176	TGTTGGCAGCTGGTGTCTACCCCCGGTACCGSGTCAAGAGTCTGAGGAGGAGTCTGAGGAG	Db	1096	GCACCACTAGCTCTCAGTGGCTATGGAGATGGAGATGGTTACCGGGTGTG
QY	1637	CITACGCCGTCGGCTGGCCGCGCCGGCCACACCGCCGCTGGCAACCCGCA	Db	1577	GCACCACTAGCTCTCAGTGGCTATGGAGATGGAGATGGTTACCGGGTGTG

Qy	1816	GTCCTCCCATAATCCTCTCGTCTGCTCTCCATCCAGCCACCGCCTCCATCTGGCCA	1875	Qy	2896	TCA TGACAAACCGGGGGAGTTCTCGGGACCAGGCCAGGTACCTGTCGGC	2955
Db	1577	GRTCTCCCATAATGCTCTCGTCTGCTCTCCATCCAGCCACCGCCTCCATCTGGCCA	1636	Db	2639	TCA TGACAAACCGGGGGAGGTCTCCGGACCAGGCCAGGTACCTGTCGGC	2698
Qy	1876	CCTACGCGCTTCCCTGAGGCCGGGCCCCACCCCTGGCCAAACCCACCA	1935	Qy	2956	CGCTGCCTGGGGAGGCTATAGACTGATGCTGCTGCTGGAGCGGGAGTG	3015
Db	1637	CTTACGCGCTTCCCTGAGGCCGGGCCCCACCCCTGGCCAAACCCACCA	1696	Db	2659	CGCTGCCTGGGGAGGCTATAGACTGATGCTGCTGCTGGAGCGGGAGTG	2758
Qy	1936	ACACCCAGGCCACAGTGGGACTATGGAGCTGAGAAGCAGGGCCCTGGC	1995	Qy	3016	ACGAGCAGCACCCATTGGACTCTGATGCTGCTGGAGCGGGAGTG	3075
Db	1697	ACACCCAGGCCACAGTGGGACTATGGAGCTGAGAAGCAGGGCCCTGGC	1756	Db	2759	ACGAGCAGCACCCATTGGACTCTGATGCTGCTGGAGCGGGAGTG	2818
Qy	2056	GCCTCACGGGGGCAACCCATTGGCTGAGGCTACATGTTACCTGAGG	2115	Qy	3076	TGGAATACACATCCAGCTGCTGCTGCTGAGGCTACATGTTACCTGAGG	3135
Db	1817	GCCTCACGGGGGCAACCCATTGGCTGAGGCTACATGTTACCTGAGG	2055	Db	2819	TGTAATACACATCCAGCTGCTGCTGAGGCTACATGTTACCTGAGG	2878
Qy	2116	GCCTCCAGAGGGATTCCCTGATCTCGACTCCGCTCAAGGAGAGCTT	1816	Qy	3116	CTAACACAGAGCACATGGCTCAAGGAGAGCTTGGGAG	3195
Db	1877	GCCTCCCOAGAGTGGATTCCCTGATCTCGACTCCGCTCAAGGAGAGCTT	1936	Db	2879	CTAACACAGAGCACATGGCTCAAGGAGAGCTTGGGAG	2938
Qy	2176	GCCTAGTTGGGGAGGTCACCTGTGAGGTCAGGAGCTGGGAGG	2235	Qy	3196	AATAGAGCAGAGCAGCTGCAAGCTGGGAGGCTTGAGGAGCTTGGGAGG	3255
Db	1937	GCCTAGTTGGGGAGGTCACCTGTGAGGTCAGGAGCTGGGAGG	1996	Db	2939	AATAGAGCAGAGCAGCTGGTCAAGGAGAGCTTGGGAGG	2958
Qy	2236	ATTTCGCCCTTATGCGTGTAGGGACCCCTTGGTGTGACTGTCAGGCT	2295	Qy	3256	CCCTTCTGGACACACTCTCATGTCCTCTGTCAGGAGCTTGGGAGG	3315
Db	1997	ATTTCGCCCTTATGCGTGTAGGGACCCCTTGGTGTGACTGTCAGGCT	2056	Db	2959	-----	-----
Qy	2296	CAGATGCCACAAAGATGCCAGCTTCCTCTGTCAGGATGATTGCTGAAGG	2355	Qy	3316	CCACCGAGCTGCTGGGATTCCTGTCACCCCTCTGAGCATCCCTGGG	3375
Db	2057	CAGATGCCACAAAGATGCCAGCTTCCTCTGTCAGGATGATTGCTGAAGG	2098	Db	2973	CCACCGAGCTGCTGGTCTGTTGAGGATCTCCACCCCTCTGAGCATCCCTGGG	3032
Qy	2356	TGAACTCATGCTGAGCTAACATCTCGCTGCTGGGCTGTGTTG	2415	Qy	3376	AAGGGGGAGAAATAAGGATAGACATGGACATGGACCTGGGAGGCC	3435
Db	2099	TGAACTCATGCTGAGCTAACATCTCGCTGCTGGGCTGTGTTG	2158	Db	3033	AAGGGGGAGAAATAAGGATAGACATGGACATGGACCTGGGAGGCC	3092
Qy	2416	AGGAGGACCCCTCTGCTGATGTTACTGACTRACTGACCTAACCTGTC	2475	Qy	3436	ACTGGACACACTGATGCTGGAGGTTGGTGGCTGCG-CCCAGCTCTCCCTGG	3494
Db	2159	AGGAGGACCCCTCTGCTGATGTTACTGACTRACTGACCTAACCTGTC	2118	Db	3093	ACTGGACACACTGATCTGGAGGTTGGTGGCTGCGCCAGCTCTCCCTGG	3152
Qy	2476	TCA GTGCCACAGCTGAGGAGCAGGAGGGCCCTGGGAGCGGAGCTG	2535	Qy	3495	ACACTGGACCCACTGCTGAGATGGGGTGGAGGAGCAGAGGAGGAATG	3554
Db	2219	TCA GTGCCACAGCTGAGGAGCAGGAGGGGCCCTGGGAGGGGG	2278	Db	3153	ACACTGGACCCACTGCTGAGATGGGGTGGAGGAGCAGAGGAGGAATG	3212
Qy	2536	CGAGGGGCCACCCATCGTCACTGAGGAGCTGGCCACGATCGCTCCG	2595	Qy	3555	TTCTCTGGCTCTCTGACTGTCCTGAGCTGCTGCTCTCCATCACCT	3614
Db	2279	CGAGGGGCCACCCATCGTCACTGAGGAGCTGGCCACGATCGCTCCG	2338	Db	3213	TTCTCTGGCTCTCTGACTGTCCTGAGCTGCTGCTCTCCATCACCT	3272
Qy	2596	GCATCGCTACTGCGCACACTCACTTGATCGTCTGCTGAGCTG	2655	Qy	3615	GAACACTGGACCTGGGGTAGCCCGCCAGCTCACCCCTACTCCACCT	3674
Db	2339	GCATCGCTACTGCGCACACTCACTTGATCGTCTGCTGAGCTG	2398	Db	3273	GAACACTGGACCTGGGGTAGCCCGCCAGCTCACCCCTACTCCACCT	3332
Qy	2656	TAGTGGGAAATACTCACCATCAAATGCCAGTTGCTGAGCGAACCTATG	2715	Qy	3675	CAGTCCTGACTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	3734
Db	2399	TAGTGGGAAATACTCACCATCAAATGCCAGTTGCTGAGCGAACCTATG	2458	Db	3333	CAGTCCTGACTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	3392
Qy	2716	CTGGGACTATTACCGTGTGAGGCCGGAGTCCTGCTGCTGAGCTGG	2775	Qy	3795	CACATGATTTCTATACACTGGGTTGTCATTTGGGGAGAGCAGT	3854
Db	2459	CTGGGACTATTACCGTGTGAGGCCGGAGTCCTGCTGCTGAGCTGG	2518	Db	3453	CACATGATTTCTATACACTGGGTTGTCATTTGGGGAGAGCAGT	3512
Qy	2776	AGTGCATCCATGGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	2835	Qy	3855	TTTCACCTATATGGACCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	3914
Db	2519	AGTGCATCCATGGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	2578	Db	3513	TTTACACTATATGGACCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	3572
Qy	2836	TGGGAGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	2895	Qy	3915	ATAATAAGTTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	3953
Db	2579	TGTTGGGAGGTTGCTGATGCTGCTGAGGCCAGGCCTTGGGAGAGCAG	2638	Db	3573	ATAATAAGTTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	3611

RESULT 4
US-08-447-314-3
Sequence 3, Application US/08447314
Patent No. 6087144
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,314
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/17563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/955-9881
TELEX: 910371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-447-314-3

Query Match 87.1%; **Score** 3451; **DB** 3; **Length** 3637;
Best Local Similarity 97.0%; **Pred.** No. 0; **Mismatches** 0; **Indels** 105; **Gaps** 3;
Matches 3589; **Conservative** 5; **Db**

QY	256	GTTGGACTGAAAGAATGCCAACAGAGATCTGCCTGCCCCACCCCTTAGGCCCGAGGGATCAG	315	QY	556	TGTTTCCCAGGAGGAGGTACTTGACAGTGGATCTACACACTCCACCTSGGGCTC	615	QY	556	TGTTTCCCAGGAGGAGGTACTTGACAGTGGATCTACACACTCCACCTSGGGCTC	615
Db	317	TGTTTCCCAGGAGGAGGTACTTGACAGTGGATCTACACACTCCACCTSGGGCTC	376	Db	317	TGTTTCCCAGGAGGAGGTACTTGACAGTGGATCTACACACTCCACCTSGGGCTC	376	Db	317	TGTTTCCCAGGAGGAGGTACTTGACAGTGGATCTACACACTCCACCTSGGGCTC	376
QY	616	TGGGGGCCAGGGACGCCATCGGGGCTGGGAGGAGGTCTCCGGAGTC	675	QY	616	TGGGGGCCAGGGACGCCATCGGGGCTGGGAGGAGGTCTCCGGAGTC	675	QY	616	TGGGGGCCAGGGACGCCATCGGGGCTGGGAGGAGGTCTCCGGAGTC	675
Db	377	TGGGGCACAGGACGCGATGCCGGGCTGGGAGGAGGTCTCCGGAGTC	436	Db	377	TGGGGCACAGGACGCGATGCCGGGCTGGGAGGAGGTCTCCGGAGTC	436	Db	377	TGGGGCACAGGACGCGATGCCGGGCTGGGAGGAGGTCTCCGGAGTC	436
QY	675	GGCTCGTACTCCGGATGGTCCCGGGCTGGGAGGAGGTCTGGCTGA	735	QY	675	GGCTCGTACTCCGGATGGTCCCGGGCTGGGAGGAGGTCTGGCTGA	735	QY	675	GGCTCGTACTCCGGATGGTCCCGGGCTGGGAGGAGGTCTGGCTGA	735
Db	437	GGCTCGTACTCCGGATGGTCCCGGGCTGGGAGGAGGTCTGGCTGA	496	Db	437	GGCTCGTACTCCGGATGGTCCCGGGCTGGGAGGAGGTCTGGCTGA	496	Db	437	GGCTCGTACTCCGGATGGTCCCGGGCTGGGAGGAGGTCTGGCTGA	496
QY	736	AGGTGATCTCAGGCAATGAGGACCCCTGAGGAGGAGGTCTGA	795	QY	736	AGGTGATCTCAGGCAATGAGGACCCCTGAGGAGGAGGTCTGA	795	QY	736	AGGTGATCTCAGGCAATGAGGACCCCTGAGGAGGAGGTCTGA	795
Db	557	TGGTGGCCAGGAGGTCTGGGAGGAGGTCTGGCTGA	556	Db	557	TGGTGGCCAGGAGGTCTGGGAGGAGGTCTGGCTGA	556	Db	557	TGGTGGCCAGGAGGTCTGGGAGGAGGTCTGGCTGA	556
QY	855	GGCTAGAGCTCTGCCTCTGGAGGATGGACTCTGTCTACACGCCCTG	915	QY	855	GGCTAGAGCTCTGCCTCTGGAGGATGGACTCTGTCTACACGCCCTG	915	QY	855	GGCTAGAGCTCTGCCTCTGGAGGATGGACTCTGTCTACACGCCCTG	915
Db	617	GGTAGAGCTCTGCTCTCTGAGGATGGACTCTGTCTACACGCCCTG	676	Db	617	GGTAGAGCTCTGCTCTCTGAGGATGGACTCTGTCTACACGCCCTG	676	Db	617	GGTAGAGCTCTGCTCTCTGAGGATGGACTCTGTCTACACGCCCTG	676
QY	916	GGAGACAAATGATTATGCTGTAGGACCCGTGTACCTCACCACTC	975	QY	916	GGAGACAAATGATTATGCTGTAGGACCCGTGTACCTCACCACTC	975	QY	916	GGAGACAAATGATTATGCTGTAGGACCCGTGTACCTCACCACTC	975
Db	677	GGCAGACAAATGATTATGCTGTAGGACCCGTGTACCTCACCACTC	736	Db	677	GGCAGACAAATGATTATGCTGTAGGACCCGTGTACCTCACCACTC	736	Db	677	GGCAGACAAATGATTATGCTGTAGGACCCGTGTACCTCACCACTC	736
QY	976	CCGGGGGAGCTCTGCTCTCTGGAGGATGGACTCTGTCTACACGCC	1035	QY	976	CCGGGGGAGCTCTGCTCTCTGGAGGATGGACTCTGTCTACACGCC	1035	QY	976	CCGGGGGAGCTCTGCTCTCTGGAGGATGGACTCTGTCTACACGCC	1035
Db	737	CCGGGGGAGCTCTGCTCTCTGGAGGATGGACTCTGTCTACACGCC	796	Db	737	CCGGGGGAGCTCTGCTCTCTGGAGGATGGACTCTGTCTACACGCC	796	Db	737	CCGGGGGAGCTCTGCTCTCTGGAGGATGGACTCTGTCTACACGCC	796
QY	1036	ATGACTTGGAGAGTCAGTGGGCTCTGGGCTCTGGGCTCTGG	1095	QY	1036	ATGACTTGGAGAGTCAGTGGGCTCTGGGCTCTGGGCTCTGG	1095	QY	1036	ATGACTTGGAGAGTCAGTGGGCTCTGGGCTCTGGGCTCTGG	1095
Db	857	GCAACCAAGCTCTCCAGGCTCTGGGCTCTGGGCTCTGGG	916	Db	857	GCAACCAAGCTCTCCAGGCTCTGGGCTCTGGGCTCTGGG	916	Db	857	GCAACCAAGCTCTCCAGGCTCTGGGCTCTGGGCTCTGGG	916
QY	1156	CCTTCAGGCTATCGAGGCTACGTGTAACACATGACAGCAGCT	1215	QY	1156	CCTTCAGGCTATCGAGGCTACGTGTAACACATGACAGCAGCT	1215	QY	1156	CCTTCAGGCTATCGAGGCTACGTGTAACACATGACAGCAGCT	1215
Db	917	CCTTCAGGCTATCGAGGCTACGTGTAACACATGACAGCAGCT	976	Db	917	CCTTCAGGCTATCGAGGCTACGTGTAACACATGACAGCAGCT	976	Db	917	CCTTCAGGCTATCGAGGCTACGTGTAACACATGACAGCAGCT	976
QY	1216	GCAGGGGGAAATGTCGCTCCGGGGTGSACCCCTGCATGCC	1275	QY	1216	GCAGGGGGAAATGTCGCTCCGGGGTGSACCCCTGCATGCC	1275	QY	1216	GCAGGGGGAAATGTCGCTCCGGGGTGSACCCCTGCATGCC	1275
Db	977	GCAGGGGGAAATGTCGCTCCGGGGTGSACCCCTGCATGCC	1036	Db	977	GCAGGGGGAAATGTCGCTCCGGGGTGSACCCCTGCATGCC	1036	Db	977	GCAGGGGGAAATGTCGCTCCGGGGTGSACCCCTGCATGCC	1036
QY	1276	GCACAACTTGGGGACACCTGGGGACAGAGCCGGCTCTGG	1335	QY	1276	GCACAACTTGGGGACACCTGGGGACAGAGCCGGCTCTGG	1335	QY	1276	GCACAACTTGGGGACACCTGGGGACAGAGCCGGCTCTGG	1335
Db	1037	GCACAACTTGGGGACACCTGGGGACAGAGCCGGCTCTGG	1096	Db	1037	GCACAACTTGGGGACACCTGGGGACAGAGCCGGCTCTGG	1096	Db	1037	GCACAACTTGGGGACACCTGGGGACAGAGCCGGCTCTGG	1096
QY	1336	GCAGGGGGTGGCTCGCTCTGGGCTCTGGGCTCTGGG	1395	QY	1336	GCAGGGGGTGGCTCGCTCTGGGCTCTGGGCTCTGGG	1395	QY	1336	GCAGGGGGTGGCTCGCTCTGGGCTCTGGGCTCTGGG	1395
Db	1097	GCAGGGGGTGGCTCGCTCTGGGCTCTGGGCTCTGGG	1156	Db	1097	GCAGGGGGTGGCTCGCTCTGGGCTCTGGGCTCTGGG	1156	Db	1097	GCAGGGGGTGGCTCGCTCTGGGCTCTGGGCTCTGGG	1156
QY	1396	TGCGCGAAATCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1455	QY	1396	TGCGCGAAATCTCTCTCTCTCTCTCTCTCTCTCTCT	1455	QY	1396	TGCGCGAAATCTCTCTCTCTCTCTCTCTCTCTCTCT	1455
Db	1157	TGCGCGAAATCTCTCTCTCTCTCTCTCTCTCTCTCT	1216	Db	1157	TGCGCGAAATCTCTCTCTCTCTCTCTCTCTCTCTCT	1216	Db	1157	TGCGCGAAATCTCTCTCTCTCTCTCTCTCTCTCTCT	1216
QY	1456	CCCTCCGCCASGCCCTGGTSCCGCACCCTCCACCTCAGCTG	1515	QY	1456	CCCTCCGCCASGCCCTGGTSCCGCACCCTCCACCTCAGCTG	1515	QY	1456	CCCTCCGCCASGCCCTGGTSCCGCACCCTCCACCTCAGCTG	1515
Db	1217	CCCTCCGCCASGCCCTGGTSCCGCACCCTCCACCTCAGCTG	1276	Db	1217	CCCTCCGCCASGCCCTGGTSCCGCACCCTCCACCTCAGCTG	1276	Db	1217	CCCTCCGCCASGCCCTGGTSCCGCACCCTCCACCTCAGCTG	1276
QY	1516	AGCTGGAGCCAGAGGCCAGCACGCCCTGGCTGGCA	1575	QY	1516	AGCTGGAGCCAGAGGCCAGCACGCCCTGGCTGGCA	1575	QY	1516	AGCTGGAGCCAGAGGCCAGCACGCCCTGGCTGGCA	1575
Db	1277	AGCTGGAGCCAGAGGCCAGCACGCCCTGGCTGGCA	1336	Db	1277	AGCTGGAGCCAGAGGCCAGCACGCCCTGGCTGGCA	1336	Db	1277	AGCTGGAGCCAGAGGCCAGCACGCCCTGGCTGGCA	1336
QY	1576	TGCGCGCTGCCCTGGCTGCCATCTCTCTCTCTCTCT	1635	QY	1576	TGCGCGCTGCCCTGGCTGCCATCTCTCTCTCTCTCT	1635	QY	1576	TGCGCGCTGCCCTGGCTGCCATCTCTCTCTCTCTCT	1635
Db	1337	TGCGCGCTGCCCTGGCTGCCATCTCTCTCTCTCTCT	1396	Db	1337	TGCGCGCTGCCCTGGCTGCCATCTCTCTCTCTCTCT	1396	Db	1337	TGCGCGCTGCCCTGGCTGCCATCTCTCTCTCTCTCT	1396
QY	1636	GGGGCGTCACTGGCGAGGCCTCAGCAAGGGCTGACGGGG	1695	QY	1636	GGGGCGTCACTGGCGAGGCCTCAGCAAGGGCTGACGGGG	1695	QY	1636	GGGGCGTCACTGGCGAGGCCTCAGCAAGGGCTGACGGGG	1695

Db	1397	GGCGGCTGCACCTGGCCAGGCCTCCAGCAAGGAGACTATCTCATCACAAACCCCCAGTCTA	1456	Db	2459	CTGGGGACTATTACGGTGTCAAGGCCGGCAGTGCTGCCCATCCGCTGATGCCCTGG	2518
Qy	1696	TGAGGGTCACCCCTCTGRCCTCTGGGAGACATATCTCATCACAAACCCCCAGTCTA	1755	Qy	2776	AGTCGATCCCTCATGGGGAGCTTCAGGAGCTGGCTGAGCTGGTGGGGCTTGGA	2835
Db	1457	TGAGGGTCACCTCTGRCCTCTGGGAGACATATCTCATCACAAACCCCCAGTCTA	1516	Db	2519	AGTCGATCCCTCATGGGGAGCTTCAGGAGCTGGCTGAGCTGGTGGGGCTTGGA	2578
Qy	1756	GAGAGCCACCCCTACTCAGGGAGGCCCTGGGATCCGGGACTCGGCTCT	1815	Qy	2836	TGTGGGGGCTGATGCTGTAGGGCTGAGCTGGGAGCTCCAGGAGGAG	2895
Db	1517	GAGAGCCACCCCTACTCAGGGAGGCCCTGGGATCCGGGACTCGGCTCT	1576	Db	2579	TGTGGGGGCTGATGCTGTAGGGCTGAGCTGGGAGCTCCAGGAGGAG	2638
Qy	1816	GTCGTCGCCAATGCTCTGGCTGCTGCTGAGGAGCGCCATCCAGCCATCCAGCCT	1875	Qy	2895	TCATGAGAACGGGGAGTTCTCCGGACCGGGAGGTGACCTGGCG	2955
Db	1577	GTCGTCGCCAATGCTCTGGCTGCTGAGGAGCGCCATCCAGCCATCCAGCCT	1636	Db	2639	TGATCGAGAACGGGGAGTTCTCCGGACCGGGAGGTGACCTGGCG	2698
Qy	1876	CTPACGCGCTTCCCTCGAGGAGCGCCACCCGCTGGGACTCGCTCT	1935	Qy	2956	CGCTGCCTCCGGAGGCCTATGAGCTGAGCTGGCTGGAGCTGGAGCTG	3015
Db	1637	CTPACGCGCTTCCCTCGAGGAGCGCCACCCGCTGGGACTCGCTCT	1696	Db	2699	CGCTGCCTCCGGAGGCCTATGAGCTGAGCTGGCTGGAGCTG	2758
Qy	1936	AACACCCAGGCCAATGCTGAGGGACTATGGAGGCTGAGAGGCCAAACCCACCA	1995	Qy	3016	AGCAGCGACCCCTTCCAGCTGAGCTGGCTGGAGCTAACAGG	3075
Db	1697	AACACCCAGGCCAATGCTGAGGGACTATGGAGGCTGAGAGGCCAAACCCACCA	1756	Db	2759	AGCAGCGACCCCTTCCAGCTGAGCTGGCTGGAGATCAACAGG	2818
Qy	1996	COCACACPOCCCGAACGCGTCCCATTAGCCAGGAGCTACATGTTAACCTGAGG	2055	Qy	3076	TGCAATCACACCCACGCTCCCTCAGGAGGATCCAGGGAGCTGGAGG	3135
Db	1757	COCACACCTCCCGAACGCGTCCCATTAGCCAGGAGCTACATGTTAACCTGAGG	1816	Db	2819	TGTGAACTCACACCATGAGCTGGCTGGCTCCAGGAGGATCCAGTGG	2878
Qy	2056	GGGTACCGGGCTTACAGTGGGGACTATGGAGGCTGAGAGGCCAAACCCACCA	2115	Qy	3136	CTAAACAGAGGACACATGGCACCTGCCCCTCCGACAGCCATCACCT	3195
Db	1817	GGGTACCGGGCTTACAGTGGGGACTATGGAGGCTGAGAGGCCAAACCCACCA	1876	Db	2879	CTAAACAGAGGACACATGGCACCTGCCCCTCCGACAGCCATCACCT	2938
Qy	2116	GCCCCCGAGAGCTTCCCTCGATCTGCTGAGCTGGGACTGGGAGCTGGAGG	2175	Qy	3196	AATAGAGGAGTGGACTGGAGCTGGGCTGGGCCACCCAGGAGCTGATG	3255
Db	1877	GCCCCCGAGAGCTTCCCTCGATCTGCTGAGCTGGGACTGGGAGCTGGAGG	1936	Db	2939	AATAGAGGAGTGGACTG	2958
Qy	2176	GCGAGTGTGGGAGGTGACCTGTGAGGGAGACCCCTTGCGGTACTCTGCAAGATCTTACGG	2235	Qy	3256	CCCTTCCGGACACTCTCATTCCTCTCAGGAGGATCCAGGGAGCCCTGG	3315
Db	1937	GCGAGTGTGGGAGGTGACCTGTGAGGGAGACCCCTTGCGGTACTCTGCAAGATCTTACGG	1996	Db	2959	----- - AgAACCCCTGGTG	2972
Qy	2236	ATTTCGCCCTTAATGTCGTAAGGGACACCTTGTGTTGACTCTGTCAGTGG	2295	Qy	3316	CCACCCGAGCTGGCTCTGGATGGGACACCTTGTGTTGACTCTGTCAGTGG	3375
Db	1997	ATTTCGCCCTTAATGTCGTAAGGGACACCTTGTGTTGACTCTGTCAGTGG	2056	Db	2973	CCACCCGAGCTGGCTCTGGATGGGACACCTTGTGTTGACTCTGTCAGTGG	3032
Qy	2296	CAGATGCCACCGAGAATGCCACCTCTCTCTGGAGGATTTCTGAAAGGAG	2355	Qy	3376	AAGGTGGGAGAAATAAGGATAGACCTGGCATGGCCATGGGACCTGGGCC	3435
Db	2099	CAGATGCCACCGAGAATGCCACCTCTCTGGAGGATTTCTGAAAGGAG	2158	Db	3093	ACTGGACACACTGATCTGGAGGGTGGCTGGCCCATGGGACCTGGGCC	3152
Qy	2057	CAGATGCCACCGAGAATGCCACCTCTGGAGGATTTCTGAAAGGAG	2098	Qy	3033	AAGGGGGAGGAGATAAGGATAGACCTGGCATGGGACCTGGCCATGGGAC	3092
Db	2356	TGAGAGCATGAGGAGGCTCAGGGACCCACATCGATCGCTGGCTGGCTGGCTGG	2415	Qy	3436	ACTGGACACACTGATCTGGAGGGTGGCTGGAGGAGGAGGAGGAGGAG	3494
Qy	2476	TCACTGGCCACCGAGCTGGGAGGACAAAGCAGGCCAGGGGGCCCTGGGACGGCAGCTG	2535	Db	3093	ACTGGACACACTGATCTGGAGGGTGGCTGGCCCATGGGACCTGGGCC	3152
Db	2219	TCACTGGCCACCGAGCTGGGAGGACAAAGCAGGCCAGGGGGCCCTGGGACGGCAGCTG	2478	Qy	3495	ACTGGGACCCACTGGGGTGGAGATCTGGGGTGGAGGAGGAGGAGGAAATG	3554
Db	2159	AGGAGCACCCCTCTGATGTTACTGACTACATGGAAAGGGACCTCACCCAGTTC	2218	Db	3153	ACTGGACCCACTGGGGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	3212
Qy	2536	CGCAGGGGCCACCATGAGCTGGCTGCTGAGCTGGCTGGCCACGGCTCC	2595	Qy	3555	TTCCTCTGGCTGCTGCTGCTGACTCTGCTGAGCTGGCTGGCTGGCTGGCTGG	3614
Db	2279	CGCAGGGGCCACCATGAGCTGGCTGCTGAGCTGGCTGGCCACGGCTCC	2338	Db	3213	TTCCTCTGGCTGCTGCTGCTGACTCTGCTGAGCTGGCTGGCTGGCTGGCTGG	3272
Qy	2596	GCATGGCTATCTGRCACACTCACTTGCTACATGGGACTGGCCACGGGACTGCC	2655	Qy	3675	CAGCTGTGAGTGGCTGCTGCTGACTCTGCTGAGCTGGCTGGCTGGCTGG	3734
Db	2339	GCATGGCTATCTGRCACACTCACTTGCTACATGGGACTGGCCACGGGACTGCC	2398	Qy	3615	GAACACTGGACTGGGGTACCCCTGGGGCCACGGGACTGCCACTGGCTGG	3674
Qy	2656	TAGTGGGAAATTTCACCATCAAATCGCAGACTTGGCATGAGCCGGAACTCTATG	2715	Db	3273	GAACACTGGACTGGGGTACCCCTGGGGCCACGGGACTGCCACTGGCTGG	3332
Db	2399	TAGTGGGAAATTTCACCATCAAATCGCAGACTTGGCATGAGCCGGAACTCTATG	2458	Qy	3735	GGGGGAAGGGGACACGGCCATGGCTGGGGTGGAGACATCTGAGCTGG	3794
Qy	2716	CTGGGACTATTACCTGGCTGAGGCCGGCAGTCTGCTGATGATG	2775	Db	3393	GGGGGAAGGGGACACGGCCATGGCTGGGGTGGAGACATCTGAGCTGG	3452
Db	3453	CACATGATTTCTATATCACTTGGGTTGACATTTGGGGAGAGACAGA	3512	Qy	3795	CACATGATTTCTATATCACTTGGGTTGACATTTGGGGAGAGACAGA	3854

RESULT 5
 US-08-445-461-3
 Sequence 3, Application US/08445461
 Patent No. 6095527

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.
 APPLICANT: Mark, Melanie R.
 APPLICANT: Scadden, David T.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Baron, Will F.

TIME OF INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5 1/4 inch, 360 Kb floppy disk

CLASSIFICATION: 530

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08445, 461
 FILING DATE: 22-MAY-1995
 CLASIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Jann E.
 REGISTRATION NUMBER: 28, 616
 REFERENCE/DOCKET NUMBER: 854C3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 353 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

US-08-445-461-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
 Best Local Similarity 97.0%; Pred. No: 0; Mismatches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 3855 TTACACTATATGGACCTAGCTTATCCCTGCACTAGGCGGTA 3914
 |||||||TTTACACTATATGGACCTAGCTTATCCCTGCACTAGGCGGTA 3572
 Db 3915 ATATTAAGGTAGGTTCCACAAAAAA 3953
 |||||||TTATTAAGGTAGGTTCCACAAAAAA 3611
 QY 3916 ACGGACCATCCCAGACAGTGACTCTCGCTTCAGCTCTGGCG 495
 |||||||ACGGACCATCCCAGACAGTGACTCTCGCTTCAGCTCTGGCG 256
 Db 3917 ACGGACCATCCCAGACAGTGACTCTCGCTTCAGCTCTGGCG 255
 |||||||ACGGACCATCCCAGACAGTGACTCTCGCTTCAGCTCTGGCG 316
 QY 496 CGGCCACAGCAGGTTGGAGAGCGCTGACGGGGTGGGGCTGG 555
 |||||||CGGCCACAGCAGGTTGGAGAGCGCTGACGGGGTGGGGCTGG 555
 Db 257 CCCGCACAGCAGGTTGGAGAGCGCTGACGGGGTGGGGCTGG 316
 |||||||CGGCCACAGCAGGTTGGAGAGCGCTGACGGGGTGGGGCTGG 316
 QY 556 TCTTCCAAGGAGGAGTACTTGCAAGTGGTCTAACAGCTCCACTGGGGCTC 615
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 Db 317 TGTTCCAAAGGAGGAGGACTACTTGCAAGTGGTCAACAGCTGGGGCTC 376
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 QY .616 TGGTGGCACCGGGCATCCGGGATGGTGGCGCTGGTGGCTGG 675
 |||||||TGGTGGCACCGGGCATCCGGGATGGTGGCGCTGGTGGCTGG 675
 Db 377 TGGTGGCACCGGGCATCCGGGATGGTGGCGCTGGTGGCTGG 495
 |||||||TGGTGGCACCGGGCATCCGGGATGGTGGCGCTGGTGGCTGG 495
 QY 736 AGTGTAGCTCAGGGACCTGGTGTGCTTACCCGGGTGACCGGGTGTGAAGGACCTGGGGCTC 795
 |||||||AGTGTAGCTCAGGGACCTGGTGTGCTTACCCGGGTGACCGGGTGTGAAGGACCTGGGGCTC 795
 Db 497 AGTGTAGCTCAGGGACCTGGTGTGCTTACCCGGGTGACCGGGTGTGAAGGACCTGGGGCTC 555
 |||||||AGTGTAGCTCAGGGACCTGGTGTGCTTACCCGGGTGACCGGGTGTGAAGGACCTGGGGCTC 555
 QY 796 TGGTGGCGACTGGTGTGCTTACCCGGGTGACCGGGTGTGAAGGACCTGGGGCTC 855
 |||||||TGGTGGCGACTGGTGTGCTTACCCGGGTGACCGGGTGTGAAGGACCTGGGGCTC 855
 Db 557 TGGTGGCGACTGGTGTGCTTACCCGGGTGACCGGGTGTGAAGGACCTGGGGCTC 615
 |||||||TGGTGGCGACTGGTGTGCTTACCCGGGTGACCGGGTGTGAAGGACCTGGGGCTC 615
 QY 856 GGGTAGACTCTGGCTCTGGCTCTGGAGGATGGACTCTCTGCTCTACACGGCCCTGG 915
 |||||||GGGTAGACTCTGGCTCTGGCTCTGGAGGATGGACTCTCTGCTCTACACGGCCCTGG 915
 Db 677 GGGTAGACTCTGGCTCTGGCTCTGGAGGATGGACTCTCTGCTCTACACGGCCCTGG 675
 |||||||GGGTAGACTCTGGCTCTGGCTCTGGAGGATGGACTCTCTGCTCTACACGGCCCTGG 675
 QY 916 GCGACAATGATTACTGAGGCCGTTACCTCAAGACTCCACCTATGACGACATA 975
 |||||||GCGACAATGATTACTGAGGCCGTTACCTCAAGACTCCACCTATGACGACATA 975
 Db 677 GCGACAATGATTACTGAGGCCGTTACCTCAAGACTCCACCTATGACGACATA 736
 |||||||GCGACAATGATTACTGAGGCCGTTACCTCAAGACTCCACCTATGACGACATA 736
 QY 617 GGGTAGACTCTGGCTCTGGCTCTGGAGGATGGACTCTCTGCTCTACACGGCCCTGG 675
 |||||||GGGTAGACTCTGGCTCTGGCTCTGGAGGATGGACTCTCTGCTCTACACGGCCCTGG 675
 QY 976 CGGTGGCGGACTGCACTATGGGGCTCGGGCTCGGGCTCGAGCTGCGAGATGGTGTGGTGTGG 1035
 |||||||CGGTGGCGGACTGCACTATGGGGCTCGGGCTCGGGCTCGAGCTGCGAGATGGTGTGGTGTGG 1035
 Db 737 CGTGGGGACTGCACTATGGGGCTCGGGCTCGAGCTGCGAGATGGTGTGGTGTGG 796
 |||||||CGTGGGGACTGCACTATGGGGCTCGGGCTCGAGCTGCGAGATGGTGTGGTGTGG 796
 QY 1036 ATGACTTCTGGAGGACTGAGGCTGGGGCTCGGAGGCTTGACTATGGGGATGGA 1095
 |||||||ATGACTTCTGGAGGACTGAGGCTGGGGCTTGACTATGGGGATGGA 1095
 Db 797 ATGACTTCTGGAGGACTGAGGCTGGGGCTTGACTATGGGGATGGA 855
 |||||||ATGACTTCTGGAGGACTGAGGCTGGGGCTTGACTATGGGGATGGA 855
 QY 1096 GCAACCACAGCTCTCACTGCTGAGGATGGACTTGGGGATGACCGGGCTGAGG 1155
 |||||||GCAACCACAGCTCTCACTGCTGAGGATGGACTTGGGGATGACCGGGCTGAGG 1155
 Db 857 GCAACCACAGCTCTCACTGCTGAGGATGGGGCTTGACTATGGGGATGGA 916
 |||||||GCAACCACAGCTCTCACTGCTGAGGATGGGGCTTGACTATGGGGATGGA 916
 QY 1156 CCTTCAGGCTATGCACTGTACAACATGACACGGCTGGACCCGGCTGGCTG 1215
 |||||||CCTTCAGGCTATGCACTGTACAACATGACACGGCTGGACCCGGCTGGCTG 1215
 Db 917 CCTTCAGGCTATGCACTGTACAACATGACACGGCTGGACCCGGCTGGCTG 976
 |||||||CCTTCAGGCTATGCACTGTACAACATGACACGGCTGGACCCGGCTGGCTG 976
 QY 1216 GCGGGTGGAAATGTCGCTCCAGGCTGACCTGCTGGAGGAGGGGGACCCATCC 1275
 |||||||GCGGGTGGAAATGTCGCTCCAGGCTGACCTGCTGGAGGAGGGGGACCCATCC 1275
 Db 977 GCGGGTGGAAATGTCGCTCCAGGCTGACCTGCTGGAGGAGGGGGACCCATCC 1036
 |||||||GCGGGTGGAAATGTCGCTCCAGGCTGACCTGCTGGAGGAGGGGGACCCATCC 1036
 QY 1276 GCCACACCTAGGGGAACTGGGACCCAGGGACCGGGGCTGCTCAGGCCCCCTG 1335
 |||||||GCCACACCTAGGGGAACTGGGACCCAGGGACCGGGGCTGCTCAGGCCCCCTG 1335
 Db 1037 GCCACACCTAGGGGAACTGGGACCCAGGGACCGGGGCTGCTCAGGCCCCCTG 1096
 |||||||GCCACACCTAGGGGAACTGGGACCCAGGGACCGGGGCTGCTCAGGCCCCCTG 1096
 QY 1336 GCGGGCTGCTGCTCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1395
 |||||||GCGGGCTGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1395
 Db 1097 GCGGGCTGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1156
 |||||||GCGGGCTGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1156
 QY 1396 TCAGGAAATCTCTCATCTGTGATGGTGAACAACTCTCTCCGCACTGGAGGCA 1455
 |||||||TCAGGAAATCTCTCATCTGTGATGGTGAACAACTCTCTCCGCACTGGAGGCA 1455
 Db 1157 TCAGGAAATCTCTCATCTGTGATGGTGAACAACTCTCTCCGCACTGGAGGCA 1216
 |||||||TCAGGAAATCTCTCATCTGTGATGGTGAACAACTCTCTCCGCACTGGAGGCA 1216

Db	1217	CCCTCCCCCACAACCCCTCGTGCAGGCCACCTCCCACACTCACGAGTCGG 1276	Db	2279	CGCAGGGCCACCATCAGCTACCAATGCTGCAATGGCAGGCCAGATGCCCTCG 2338
Qy	1516	ACGTGGAGCCGAGGGCCAGCAGCAGCAGCCCCGGCCAGGGCGAGGAGCCATCC 1575	Qy	2596	GCATGGCGTATCTGGCCACACTCACTCACTTGACATCTGGACCTGGCCAGCGAACCTGG 2655
Db	1277	ACGTGGAGCCGAGGGCCAGCAGCAGCAGCCCCGGCCAGGGCGAGGAGCCATCC 1336	Db	2339	GCATGGCGTATCTGGCCACACTCACTTGACATCTGGACCTGGCCAGCGAACCTGG 2398
Qy	1576	TATCGGCTGCGTGGTGGCATCATCCCTGCTCTGCGNGCTCATCAGTCATGGCT 1635	Qy	2656	TAGTTGGAAATTCCCATCAAACGGCAGACTTGGCATGAGCGGAACCTCTTG 2715
Db	1337	TATCGGCTGCGTGGTGGCATCATCCCTGCTCTGCGTCACTGGCT 1396	Db	2399	TAGTTGGAAATTTCACCATCAAATGGCAGACTTGGCATGAGCGGAACCTCTTG 2458
Qy	1636	GCGGCGTGCACCTGGCGAGGCTCTCAGCAAGCGCTGAGGGGTGTTGGAGAGGC 1695	Qy	2716	CTGGGATATTAACGGTGCAGGGCGAGCTGGGGACATGGCCAGTCGGCT 2775
Db	1397	GCGGCGTGCACCTGGCGAGGCTCTCAGCAAGCGCTGAGGGGTGTTGGAGAGGC 1456	Db	2459	CTGGGAGATAATTACGGTGCAGGGCGAGCTGGGGACATGGCCAGTCGGCT 2518
Qy	1696	TGACGGTTCACCTCTGCTCTGGGACACTATCCATCACACAACGCCAAGTCCTA 1755	Qy	2776	AGTCATCTCATGGGAGTTACGACTGCGAGTGAGTGAGTGGGGCTTGGTACCC 2835
Db	1457	TGACGGTTCACCTCTGCTCTGGGACACTATCCATCACACAACGCCAAGTCCTA 1516	Db	2519	AGTCATCTCATGGGAGTTACGACTGCGAGTGAGTGAGTGGGGCTTGGTACCC 2578
Qy	1756	GAGAGCACCACCGTACAGGAGCCGGCTGTTGGAAATCGCCCACTCGCTCTC 1815	Qy	2836	TGTTGGAGGTGCGATGTCCTGAGGGCCAGTCGGGGCTTGGGACCTGGAGGG 2895
Db	1517	GAGAGCACCACCGTACAGGAGCCGGCTGTTGGGAATCGCCCACTCGCTCTC 1576	Db	2579	TGTTGGAGGTGCGATGTCCTGAGGGCCAGTCGGGGCTTGGGAGCTCACCGAG 2638
Qy	1816	GTGTCCTCAATGCTCTGCTCTGCTCTCCTCATCAGCTTACCGCTCTCTGGCCA 1875	Qy	2895	TATCGGAAACGGGGGGAGTTCCGGACAGGGGGAGGTTACCTGGCC 2955
Db	1577	GTGTCCTCAATGCTCTGCTCTGCTCTCCTCATCAGCTTACCGCTCTCTGGCCA 1636	Db	2629	TATCGGAAACGGGGGGAGTTCCGGACAGGGGGAGGTTACCTGGCC 2698
Qy	1876	CTTACGCCGTCGCCCTGAGGGCTGAGGCCACCCCTGGCCAAACCCACCA 1935	Qy	2955	CGCTGCTGCGCCAGGGCTTATGAGCTGCTGAGTGGCTGTTGGGGCTGAGGGGGACTCTG 3015
Db	1637	CTTACGCCGTCGCCCTGAGGGCTGAGGCCACCCCTGGCCAAACCCACCA 1696	Db	2659	CGCTGCTGCGCCAGGGCTTATGAGCTGCTGAGTGGCTGTTGGGGAGGTTCTGG 2758
Qy	1936	ACACCCAGGCCATACAGTGGGGACTATGGAGGCTGAGAGCAGGGCCACTCTGC 1995	Qy	3016	ASAGAGGCCACCCCTTCCAGCTGCTGAGTGGGGCTTGGGAGGAGTCAACACGG 3075
Db	1697	ACACCCAGGCCATACAGTGGGGACTATGGAGGCTGAGAGCAGGGCCCTGGCT 1756	Db	2759	AGGAGCGGACACCCCTTCCAGCTGCTGAGTGGGGCTTGGGAGGAGTCAACACGG 2818
Qy	1996	CCCACTCTCCAGAACAGCTCCCTGAGGGCTTCCAGCTGAGTGGGGATG 2055	Qy	3076	TSGAATCACATCCAGCTGCTGAGTGGGGCTTCCAGGGAGTGGGGAGGAGTGTG 3135
Db	1757	CCCACTCTCCAGAACAGCTCCCTGAGGGCTTCCAGCTGAGTGGGGATG 1816	Db	2819	TGTTGAATCACACATCCAGCTGCTGAGTGGGGCTTGGGAGGAGTCACTGACA 2878
Qy	2056	GGCTCACGGGGCAACACCTATGCGTGTCACTGGCTATGCCCTGGGGATG 2115	Qy	3136	CIRAAACAGGAGCACATGGGACCTTGCGCTTGGGGCTTGGGAGGAGTCACTGCT 3195
Db	1817	GGCTCACGGGGCAACACCTATGCGTGTCACTGGCTATGCCCTGGGGATG 1876	Db	2879	CIRAAACAGGAGCACATGGGACCTTGCGCTTGGGGCTTGGGAGGAGTCACTGCT 2938
Qy	2116	GGCCCCCAGAGTGGGATTCCTCGATCTGGCCCTGGGGCACTTGCGGAGG 2175	Qy	3196	AATAGAGCAGGAGCACATGGGACCTTGCGCTTGGGGCTTGGGAGGAGCCTCT 3255
Db	1877	GGCCCCCAGAGTGGGATTCCTCGATCTGGCCCTGGGGAGG 1936	Db	2939	AATAGAGCAGGAGCACATGGGACCTTGCGCT 2958
Qy	2176	GCGAGTTGGGGAGGAGCTGTGAGGGAGCAGGCCCTCAAGATCTGCTAGCTG 2235	Qy	3256	CCCTCTGGAGACACCTCTGCTGCTCTCTCCAGAGCCCCCTGG 3315
Db	1937	GCGAGTTGGGGAGGAGCTGTGAGGGAGCAGGCCCTCAAGATCTGCTAGCTG 1996	Db	2959	-----AgAGGCCCTGGTGTG 2972
Qy	2236	ATTCGCCCTTAATGCGTGTAGGGACACCCCTGGGGAGGAGCTGCAAGCTTAAGGC 2295	Qy	3316	CCACCGAGCTGGCTCTGGGAGGAGCTGGGGCTTGGGAGGAGCTGGGG 3375
Db	1997	ATTCGCCCTTAATGCGTGTAGGGACACCCCTGGGGAGGAGCTGCAAGCTTAAGGC 2056	Db	2973	CCACCGAGCTGGCTCTGGGAGGAGCTGGGGCTTGGGAGGAGCTGGGG 3032
Qy	2296	CAGATGCCAACGAGATGCCAGCTGGTGTCTCAGGATGATTCTGTAAGAGG 2355	Qy	3376	AAGGGTGGGAGAATTAAGGATAGACATGGACATGGGGCTTGGGAGGAGCTGGGG 3435
Db	2057	CAGATGCCAACGAGATGCTCTGGGAGGAGCTGGGGAGGAGCTGGGGCTTGGGAGG 2098	Db	3033	AAGGGTGGGAGAATTAAGGATAGACATGGGGCTTGGGAGGAGCTGGGGCTTGGGAGG 3092
Qy	2356	TGAGATCAGTGTGGGGAGGAGCCACATTCGGCTGGGGGGTGTG 2415	Qy	3436	ACTGGGACACACTGATCTGGAGGTTGGGGCTTGGGGCTTGGGGCTTGGGG 3494
Db	2099	TGAGATCAGTGTGGGGAGGAGCCACATTCGGCTGGGGGGTGTG 2158	Db	3093	ACTGGGACACACTGATCTGGAGGTTGGGGCTTGGGGCTTGGGGCTTGGGG 3152
Qy	2416	AGGAGGACCCCTCGCATGATGACTGACTGAGGAGACGGGACTGACCACTGG 2475	Qy	3495	ACACTGGGACCCACTGGTGTAGACATGGGGTGGGGAGGAGCAAGAGGGAGGATG 3554
Db	2159	AGGAGGACCCCTCGCATGATGACTGACTGAGGAGACGGGACTGACCACTGG 2218	Db	3153	ACACTGGGACCCACTGGTGTAGACATGGGGTGGGGAGGAGCAAGAGGGAGGATG 3212
Qy	2476	TGAGATCAGTGTGGGGAGGAGCCACATTCGGCTGGGGGGTGTG 2535	Qy	3555	TTCTCTTGCTGCTGCTCTGACTCTGCTCAGCTGGGGCTTGGGGCTTGGGG 3614
Db	2219	TGAGATCAGTGTGGGGAGGAGCCACATTCGGCTGGGGGGTGTG 2278	Db	3213	TTCTCTTGCTGCTGCTCTGACTCTGCTCAGCTGGGGCTTGGGGCTTGGGG 3272
Qy	2536	CGCAAGGCCACCCATCAGTACCCAAATGCTGCTCATGAGGCCAGCAGGCCACTTCC 2595	Qy	3615	GAACACTGAGCTGGGGAGGAGCCACCCACTTCCACT 3674
Db	3273	GAACACTGAGCTGGGGAGGAGCCACCCACTTCCACT 3332			

Qy 3675 CAGTCMTGAGCTAGAACTCTCTAAGCTATAGTTCTGGAGTAATATGGATT 3734
 Db 3333 CAGTCMTGAGCTAGAACTCTCTAAGCTATAGTTCTGGAGTAATATGGATT 3392
 Qy 3735 GGGGAAAGAGGGGAGCAACGGCCATAGCCTTGAGCTTGAGCTTGAGTAATATGGATT 3794
 Db 3393 GGGGAAAGAGGGGAGCAACGGCCATAGCCTTGAGCTTGAGCTTGAGTAATATGGATT 3452
 Qy 3795 CACATGATTTCTATATCAGTGGGTTSRACATTTGGGGAGAGCACAGAT 3554
 Db 3453 CACATGATTTCTATATCAGTGGGTTSRACATTTGGGGAGAGCACAGAT 3512
 Qy 3855 TTACACTATATGGACCTCTGAGGAATTAACTCCTGCACTAGCGAGGA 3914
 Db 3513 TTACACTATATGGACCTCTGAGGAATTAACTCCTGCACTAGCGAGGA 3572
 Qy 3915 ATATAAAGTTGAGTTTACACAAAAAAA 3953
 Db 3573 ATAATAAAGTTGAGTTTACACAAAAAAA 3611

RESULT 6
 US-08-445-640-7
 Sequence 7, Application US/08445640
 Patent No. 5709858
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J.
 APPLICANT: Mark, Melanie R.
 APPLICANT: Stadden, David T.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Baron, Will F.
 TITLE OF INVENTION: Protein Tyrosine Kinases
 NUMBER OF SEQUENCES: 35
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Pathin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/445,640
 FILING DATE: 22-MAY-1995
 CLASSIFICATION: -435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 854C2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-8896
 TELEFAX: 415/932-9881
 TELEX: 910371-7168
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1197 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-445-640-7

Query Match	30	1%	Score 1192.2;	DB 1:	Length 1197;	
Best Local Similarity	99.7%	Pred. No. 1.3e-272				
Matches	1194	Conservative	0;	Mismatches	3;	
				Indices	0;	
				Gaps	0;	
Qy	375	GATGCTGAGATGAAGGAGAATTGATCCTGCCCAGTGCCTATGCCCTGGGATGCG	434	Db	1 GATGCTGAGATGAAGGAGAATTGATCCTGCCCAGTGCCTATGCCCTGGGATGCG	60
Qy	435	GACCGGACCATCCAGACAGTGCACATCTGTGCTTCAGTCAGTCTGCACTGC	494	Db	61 GACCGGACCATCCAGACAGTGCACATCTGTGCTTCAGTCAGTCTGCACTGC	120
Qy	495	GCCCCAACAGCAGTGGAGCAGTGGAGCTGGGGATGGGGCTGTGCCCTGGGATGCG	554	Db	121 GCCCCAACAGCAGTGGAGCAGTGGAGCTGGGGATGGGGCTGTGCCCTGGGATGCG	180
Qy	555	GTTGTCAGGAGGAGGAGGAGTGCAGTGGGATGAGGACTTCACCGACTCCACCTGGGCT	614	Db	181 GTGTTTCCCAAGGAGGAGGAGTCTGCAAGGTGCAACACTGGACCTGTGCT	240
Qy	615	CTGGTGGGACCCAGGGAGGAGTCTGCAAGGTGCAACACTGGACCTGTGCT	674	Db	241 CTGGTGGGACCCAGGGAGGAGTCTGCAAGGTGCAACACTGGACCTGTGCT	300
Qy	675	CGGCCTGCGTACTCGGGATGGCGCCCTGGAGGGCTGGGCTGGAGGAGCCCTGGGTCG	734	Db	301 CGGCCTGCGTACTCGGGATGGCGCCCTGGGCTGGAGGAGCCCTGGGTCG	360
Qy	735	GAGGTGATCTCAGGATCAGGATCAGGACCTGAGGAGTGGCTGAGGACCTGGGCCCC	794	Db	361 GAGGTGATCTCAGGATCAGGATCAGGACCTGAGGAGTGGCTGAGGACCTGGGCCCC	420
Qy	795	ATGGTGCCTGACTGGTGTGCTCTACCCCGGGCTGACCGGGCATGAGTGTGTC	854	Db	421 ATGGTGCCTGACTGGTGTGCTCTACCCCGGGCTGACCGGGCATGAGTGTGTC	480
Qy	855	CGGCTGACTCTATGGCGCTCTGGAGGATGACTCTGTCTACCCGCCCTG	914	Db	481 CGGGTAGACTCTATGGCTCTACCCGCCCTG	540
Qy	915	GGGAGACATGTTACTGTAGGCCCTGGGGCTGGCCAGCTGGCT	974	Db	541 GGGCAGACATGTTACTGTAGGCCCTGGGGCTGGCCAGCTGGCT	600
Qy	975	ACGGGGGGACTGCGAGTGTGGCTCTGGCCAGCTGGCAGTGTGGCTGGCTGG	1034	Db	601 ACCTGGGGACTCAGTATGGGGCTGGCCAGCTGGCT	660
Qy	1035	GATRACTTGGAGAGTGGAGCTGGAGCTGGCGGTCTGGCCGGCTAGCTGGAGTG	1094	Db	661 GATRACTTGGAGAGTGGAGCTGGCGGTCTGGCCGGCTAGCTGGAGTG	720
Qy	1095	AGCACCACAGCTCTCCAGTGGCTATGGAGATGGAGTTGAGTTGAGCTGG	1154	Db	721 AGCACCACAGCTCTCCAGTGGCTATGGAGATGGAGTTGAGCTGG	780
Qy	1155	GGCTCCAGCTATGCCAGTGGCTAACACATGCAACGCCCTGGAGGCCCTG	1214	Db	781 GCCTCCAGCTATGCCAGTGGCTAACACATGCAACGCCCTGGAGGCCCTG	840
Qy	1215	GGGGGGAGATGCGCTCCAGTGGCTAACACATGCAACGCCCTGGAGGCCCTG	1274	Db	841 GCCTCCAGCTATGCCAGTGGCTAACACATGCAACGCCCTGGAGGCCCTG	900
Qy	1275	CGCCACACCTAGGGCACCTGGGGCCAGGCCGGCTGGAGGGAGCCCT	1334	Db	901 CGCCACACCTAGGGCACCTGGGGCCAGGCCGGCTGGAGGGAGCCCT	960
Qy	1335	GGCGCCGCTGGCTGCCTTCAGCGCCCTCTGGGGCCCTGTACTC	1394	Db	961 GGCGCCGCTGGCTGCCTTCAGCGCCCTCCCTTGGGGCCCTGTACTC	1020
Qy	1395	TTCAGCAAATCTCCTCACTCTGATGTTGACAATTCCTCCGGCACTGGAGGC	1454			

RESULT 7
US-08-170-558-7
; Sequence 7, Application US/08170558
; Patent No. 6001621
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/170,558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,615
REFERENCE/DOCKET NUMBER: 854C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-170-558-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1.3e-272; Mismatches 1174; Conservative 0; Indels 0; Gaps 0;

QY 1455 ACTTCGCCAAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 1080
Db 1081 ACTTCGCCAAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 11514
QY 1515 GAGCTGAGCCAGAGCCAGGGCTGGCCAAAGGCCAGGGGACCGCC 1571
Db 1141 GAGCTGAGCCAGAGCCAGGGCTGGCCAAAGGCCAGGGGACCGCC 1197

QY 1021 TTACGGAAATCTCTCATCTGTGAACTATCCCTCGGGCACTGGAGGC 1080
QY 1455 ACTTCGCCAAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 1080
Db 1081 ACTTCGCCAAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 1140
QY 1515 GAGCTGAGCCAGAGCCAGGGCTGGCCAAAGGCCAGGGGACCGCC 1571
Db 1141 GAGCTGAGCCAGAGCCAGGGCTGGCCAAAGGCCAGGGGACCGCC 1197

QY 495 GCCGCCAACAGCAGGTTGGAGACCACTGACGGGATGGGGCTGGTCCCCGAGGGTCG 554

Db 121 GCGGCCAACAGCAGGTTGGAGACCACTGACGGGATGGGGCTGGTCCCCGAGGGTC 180
QY 555 GAGCTTCCAAGAGGGAGACTCTTGAGGGATTAACAGACTCCACCTGGGGCT 614
Db 181 GTGTTCCCAAGGGAGAGTACTTGAGGGATTAACAGACTGCACTGGGGCT 240
QY 615 CTGGGGCACCCAGGGAGGATGCCAGGGGCTGGCAAGAGTTCCGGAGGT 674
Db 241 CTGGGGCACCCAGGGAGGATGCCAGGGCAGGGTCTCCGGAGCTAC 300
QY 675 CGCTGCCTACTCCGGATGTCGGCTGATGGCTSGAGGACCGCNGGGCTCAG 734
Db 301 CGCTGCCTACTCCGGATGTCGGCTGATGGCTGAGGACCGCNGGGCTCAG 360
QY 735 GAGGTGACTTCAGGAAATGGAGACCCGGAGGAGTGTGAGGACTCTGGGGCCC 794
Db 361 GAGGTGACTTCAGGAAATGGAGACCCGGAGGAGTGTGAGGACTCTGGGGCCC 420
QY 795 ATGGTGGCCAGCTGGTCGCTACCCCGGGTACCGGGTACGGAGCTCTCTCAG 854
Db 481 CGGTAGACTCTATGGCTGCCTCTGGGGATGGACTCTACCGCCCCTGTG 540
QY 915 GGCAGACATAATATATCTGAGGGCTGACCTAACAGACTCCACCTATGAGC 974
Db 541 GGCAGACATAATATCTGAGGGCTGACCTAACAGACTCCACCTATGAGC 600
QY 975 ACGGTAGAGCTATGGCTGCTCTGGGGATGGACTCTACCGCCCTGTG 914
Db 601 ACCTGGGGACTGCACTTACCCGGCTGGCCACCTGGCTG 660
QY 1035 GATGACTTGGAGCTGAGTCAGAGCTGGGGCTGGCCATGACTCTGGGGCTG 1034
Db 661 GATGACTTGGAGCTGAGTCAGAGCTGGGGCTGGCCATGACTCTGGGGATG 720
QY 1095 AGCAACCAAGCTTCHCCAGGGCTATGGAGATGAGTGTGGGGCTGAGGGACT 1154
Db 721 AGCAACCAAGCTTCHCCAGGGCTATGGAGATGAGTGTGGGGCTGAGGGACT 780
QY 1155 GCCTCCAGGTATGAGTCAGCTGAGTCAGACATGACAGCTGGGGCTGAGGGCT 1214
Db 781 GCCTCCAGGTATGAGTCAGCTGAGTCAGACATGACAGCTGGGGCTGAGGGCT 840
QY 1215 GCGGGGTGGATGTCGGCTGGCCATGGCCCTGGGCTGGGAGGGAGCCATG 1274
Db 841 GCGGGGTGGATGTCGGCTGGCCATGGGAGGGAGCCATG 900
QY 1275 CGCCACACCTAGGGCAACCTGGGGCCAGGGGGCTGAGTGTGGGGCTGAGGGCT 1334
Db 901 CGCCACACCTAGGGCAACCTGGGGCCAGGGGGCTGAGTGTGGGGCTGAGGGCT 960
QY 1335 GCGGGCGTGGGGCAACCTGGGGCCAGGGGGCTGAGTGTGGGGCTGAGGGCT 1394
Db 961 GCGGGCGTGGGGCAACCTGGGGCCAGGGGGCTGAGTGTGGGGCTGAGGGCT 1020
QY 1395 TTACGGAAATCTCTCATCTGTGAACTATCCCTCGGGCACTGGAGGC 1454
Db 1021 TTACGGAAATCTCTCATCTGTGAACTATCCCTCGGGCACTGGAGGC 1080
QY 1455 ACCTTCGCCAAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 1514
Db 1081 ACCTTCGCCAAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 1140
QY 1515 GAGCTGAGCCAGAGCCAGGGCTGGCCAAAGGCCAGGGGACCGCC 1571
Db 1141 GAGCTGAGCCAGAGCCAGGGCTGGCCAAAGGCCAGGGGACCGCC 1197

RESULT 8

US-08-447-314-7
Sequence 7, Application US/08447314
Patent No. 6087144

GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.

APPLICANT: Baron, Will F.

TITLE OF INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447, 314

FILING DATE: 22-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558

FILING DATE: 20-DEC-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563

FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28, 616

REFERENCE/DOCKET NUMBER: 854C1D2

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 9103717168

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases

TYPE: nucleic acid

STRANDEDNESS: Single

TOPOLOGY: linear

US-08-447-314-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1..3e-272;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATGCTGACATGAGGGACATTGTGATCCTGCGCAAGTGCCGCTATGCCCTGGCATCGAG 434

Db 1 GATGCTGACATGAGGGACATTGTGATCCTGCGCAAGTGCCGCTATGCCCTGGCATCGAG 60

QY 435 GACGGGACCATCCAGAGGAGGAGTCTGCAGGAGGATCTACAGACTCCACCTGGTGGCT 494

Db 61 GACGGGACCATCCAGAGGAGGAGTCTGCAGGAGGATCTACAGACTCCACCTGGTGGCT 120

QY 495 GCGCCGACAGAGGTTGGAGACAGCAGGGATGGGGCTGGTGGCCCGAGGGTCG 554

Db 121 GCGCCGCCACAGCAGGGTGGAGACAGCAGGGATGGGGCTGGTGGCCCGAGGGTCG 180

QY 555 GCGTGTCCCAAGAGGAGGAGTCTGCAGGAGGATCTACAGACTCCACCTGGTGGCT 614

Db 181 GCGTGTCCCAAGAGGAGGAGTCTGCAGGAGGATCTACAGACTCCACCTGGTGGCT 240

QY 615 CTGGTGGCACCCAGGGAGGAGTCTGCAGGAGGATCTACAGACTCCACCTGGTGGCT 674

Db 241 CTGGTGGCACCCAGGGAGGAGTCTGCAGGAGGATCTACAGACTCCACCTGGTGGCT 300

QY 675 CGCGCTGCCTAACCCGGATGCGCTGAGGAGGACCGCTGGCTAG 734

RESULT 9

US-08-445-461-7

; Sequence 7, Application US/08445461

; Patent No. 6095227

; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Baron, Will F.

; TITLE OF INVENTION: Protein Tyrosine Kinases

; NUMBER OF SEQUENCES: 35

; CORRESPONDENCE ADDRESS:

Db 301 CGGCTGCGTACTCCGGATGGTGCCTGGGCTGGAGGACCGCTGGGTAG 360

Qy 735 GAGGTGATGTCAGCAATGGACCTGGGAGCTGGGAGCTGGAGACCTTGGCCCT 794

Db 361 GAGGTGATGTCAGCAATGGACCTGGGAGCTGGGAGCTGGAGACCTTGGCCCT 420

Qy 855 CGGTAGACTCTATGGCTCTGGAGGATGGACTCTGTTTACACGGCCCTG 914

Db 481 CGGTAGACTCTATGGCTCTGGAGGATGGACTCTGTTTACACGGCCCTG 540

Qy 915 GGGAGACATGATTATCTGGCGGTACCTCAAGACATCACCATTGACGGACAT 974

Db 541 GGGAGACATGATTATCTGGCGGTACCTCAAGACATCACCATTGACGGACAT 600

Qy 975 ACCGTGGGAGCTGCACTGGGGCTGGGGCTGGGGCATGGGCTGCTGCTG 1034

Db 601 ACCTGGGGAGCTGCACTGGGGCTGGGGCTGGGGCATGGGCTGCTGCTG 660

Qy 1035 GATGACTTTAGGAAGAGTAGGAGCTGCTGGGAGCTGGGGCTGCTGCTG 1094

Db 661 GATGACTTTAGGAAGAGTAGGAGCTGGGGCTGCTGCTGCTGCTG 720

Qy 1095 AGAACACAGCTCTCGTGGCTATGGGAGATGGGTTGAGTGGACCGCTGAGG 1154

Db 721 AGAACACAGCTCTCGTGGCTATGGGAGATGGGTTGAGTGGACCGCTGAGG 780

Qy 1155 GCCTTCAGGCTATGCAGGCCACTGTAAACATGCAACGCTGGGGCTGTGCT 1214

Db 781 GCCPTCCAGGCTATGCAGGCCACTGTAAACATGCAACGCTGGGGCTGTGCT 840

Qy 1215 GGCGGGTGGTAATGCGCTCCCGCGTGGCCCTGGCCATGGCCTGGGGAGCCATG 1274

Db 841 GGGGGGGTGGTAATGCGCTCCCGCGTGGCCCTGGCCATGGCCTGGGGAGCCATG 900

Qy 1275 CGCCACAACATAGGGGACCTGGGGAGCCAGAGGCCGGCTGCTGCTAGTGGCCCT 1334

Db 901 CGCCACAACATAGGGGACCTGGGGAGCCAGAGGCCGGCTGCTGCTAGTGGCCCT 960

Qy 1335 GGGGCCGCTGCTCGCTTCCAGTGGCCCTTCCCTGGGGCCCTGGTACTC 1394

Db 961 GGGGGCGCTGCTGCTCGCTTCCAGTGGCCCTTCCCTGGGGCCCTGGTACTC 1020

Qy 1395 TTAGCGAAATCTCTCACTCTGATGTTGGTGAACAATTCCCTCCGCACTGGGGAGC 1454

Db 1021 TTAGCGAAATCTCTCACTCTGATGTTGGTGAACAATTCCCTCCGCACTGGGGAGC 1080

Qy 1455 ACCCTCCGGCCACCCCCCTGGTGGCCGCTGGCCACCTCCACCAACTTCAGCAGCTG 1514

Db 1081 ACCCTCCGGCCACCCCCCTGGTGGCCGCTGGCCACCTCCACCAACTTCAGCAGCTG 1140

Qy 1515 GACCTGGAGCCAGAGGCCAGGCCCTGGCCAGGGCGAGGGAGCCGCCAGCC 1571

Db 1141 GACCTGGAGCCAGAGGCCAGGCCCTGGCCAGGGAGCCGCCAGCC 1197

ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent (Genentech)
 CURRENT APPLICATION DATA:
 FILING DATE: 20-DEC-1993
 APPLICATION NUMBER: US/08/445,461
 PRIOR APPLICATION DATA:
 FILING DATE: 22-MAY-1995
 APPLICATION NUMBER: 08/157563
 ATTORNEY/AGENT INFORMATION:
 NAME: Hatak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 854C3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEX: 415/952-2581
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1197 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-445-461-7

Query Match 30.1% Score 1192.2; DB 3; Length 1197;
 Best Local Similarity 99.7%; Pred. No. 1.3e-272; Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 375 GATGCTGACATGAGGGACATTGTATGCTGCAGAGGCCGCTGATCGAGCTGGCTGGCATCGAG 434
 Db 1 GATGCTGACATGAGGGACATTGTATGCTGCAGAGGCCGCTGATCGAGCTGGCTGGCATCGAG 60
 Qy 435 GCGCGGACCATGCCAGACAGTCACTGTCGTTCCAGCTGGTCACTGAGTCCACTGCC 494
 Db 61 GACCGACCATGCCAGACAGTCACTGTCGTTCCAGCTGGTCACTGCC 120
 Qy 495 GCGCGCACAGGAGGTGGAGGAGCTGACGGGATGGGGCTGGCCGGCTGGCTGGAGTC 554
 Db 121 GCCCGCACAGGAGGTGGAGGAGCTGACGGGATGGGGCTGGCCGGCTGGCTGGAGTC 180
 Qy 555 GTGTTTCCCAAGGAGGAGTACTTGAGGCTACAGACTCCACCTGGAGCT 614
 Db 181 GTGTTTCCCAAGGAGGAGTACTTGAGGCTACAGACTCCACCTGGAGCT 240
 Qy 615 CTGGTGGCACCGGGACGGATGCCGGCTGGCCACCTCCACCAACTTCAGCAGCTG 674
 Db 241 CTGGTGGCACCGGGATGCCGGCTGGCCACCTCCACCAACTTCAGCAGCTG 300
 Qy 675 CGCTCGTACTCCGGGATGGTGGCTGGCCACCTGGAGCTGGCTGGCTGG 734
 Db 301 CGCTCGTACTCCGGGATGGTGGCTGGCCACCTGGAGCTGGCTGGCTGG 360
 Qy 735 GAGGTGCCCCACTGGTCGCTCTACCCGGGCTGACCGGTCACTGAGTC 794
 Db 361 GAGGTGATCTCAGGCAATGAGGACCTGAGGAGTGGTGGCTGGCC 420
 Qy 795 ATGGTGGCCCCACTGGTCGCTCTACCCGGGCTGACCGGTCACTGAGTC 854
 Db 421 ATGGTGGCCCCACTGGTCGCTCTACCCGGGCTGACCGGTCACTGAGTC 480

RESULT 10
 US-08-342A-3
 Sequence 3, Application US/08336343A
 Paten No. 5,677,144
 GENERAL INFORMATION:
 APPLICANT: Ulrich, Axel
 ALVES, Frauke
 TITLE OF INVENTION: CKK-2, A NO. 5677144el Receptor Tyrosine Kinase
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Penile & Edmonds
 ADDRESS: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/336,343A

Db 1985 CAGTGCCTGGGTCACCATGGACCTGCCTCAGGAAGATGTGGGCTGGAGGAGTTCC 2044
 QY 2137 CTGATCTGACTCGCTCTCAAGGAGAAGCTGGCAGGGCCAGTTGGGAGGTGCC 2196
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Penne & Edmonds
 STREET: 115 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTY: U.S.A.
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/335,343A
 FILING DATE: 08-NOV-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7683-065
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9050
 TELEFAX: (212) 869-9741/8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3157 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: unknown
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-336-43A-5

; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-3366-43A-5

	Query	Match	Score	DB	Length
Db	254.0 TCAAGATAGCTGACTTGTGAATGAGCAGGAACCTGTAAGATGTGACTATTACGGATCC	2599	16.2%	DB 1;	Length 3157;
Ov	2737 AGGCCGGCAGTGTCCCCTACCGGTGATGGCTGGAGGTGATCCTCATGGGGAGT	2796	Best Local Similarity 56.5%;	Score 642;	Mismatches 975; Indels 207; Gaps 10;
Db	2600 AGGGCGGCGAATGTCRCCCTATCCGTTGAGCTTGAGGTACTGCTGGGAGT	2659	Matches 1534; Conservative 0;	Pred. No. 2.1e-142;	Indels 207; Gaps 10;
Ov	2779 TCACGACTGCAGTGACTGTTGGGGCCTTGAGTGACCTTGAGGAGTGGCTGATCCT	2856			
Db	2660 TCACTACAGCAGTGTGGGGCTTGGGTACTTGTGGAGACTTCACCTT	2719			
Ov	2857 GTAGGGCCCAAGCCCTTGGAGCTTACCGCAGAGTCATGAGAACCGGGGAGT	2916			
Db	2720 GTCAGAACAGCCCTATTCCAGCTCAGATGAACTAGTTGAGATACTGGAGAT	2779			
Ov	2917 TCTTCGGGACAGGCCAGCGTACCTGTCCGGCCCTGCTGCCCGAGGGCC	2976			
Db	2780 TCTCCGGACCAAGGGAGCACHTACCTCCTCAACAGCCATTGTGCTGACTCTG	2839			
Ov	2977 TATATGAGCTGATGCTTCGGCTGGAGCGGAGTCTGAGCAGGCCACCCCTTCCC	3036			
Db	2840 TGATAAAGCTGATGCTCAGCTGCTGGAGAGATACTGAGAACCGTCCCTATTCAG	2899			
Ov	3037 AGCTTCATGGTTCT 3052				
Db	2900 AAATCCACCTCTGCT 2915				
RESULT	11				
US-08-335-343A-5/c					
; Sequence 5, Application US/08336343A					
; Patent No. 567114					
GENERAL INFORMATION:					

QY 2977 TATATGAGCTGTGCTTCGGTGTCTGGAGGCCGGAGTCCTGAGGAGCACCCTTTC 3036
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 Db 318 TCTATAAGCTGTGCTCAGCTCTGGAGAAGATACGAAGAACCGTCCATTCGAAG 259
 QY 3037 AGCTGCATCGGTTCT 3052
 Db 258 ATATCCACCTCTGCT 243
 RESULT 12
 US-08-456-647B-19
 Sequence 19, Application US/08456647B
 Patent No. 5811516
 GENERAL INFORMATION:
 APPLICANT: Lemire Ph. D. et al., Greg E. KINASE GENES
 TITLE OF INVENTION: PROTEIN-TROSINE KINASE GENES
 NUMBER OF SEQUENCES: 54
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 4225 Executive Square, Suite 1400
 STATE: CA
 COUNTRY: US
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/456,647B
 FILING DATE: 02-JUN-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/237,401
 FILING DATE: 02-MAY-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/884,486
 FILING DATE: 15-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Wetherell Ph.D., John R.
 REGISTRATION NUMBER: 31,678
 REFERENCE/DOCKET NUMBER: 07251-007002
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 678-5070
 TELEFAX: (619) 678-5099
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3120 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 IMMEDIATE SOURCE:
 CLONE: Tyro-10
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 485..3047
 US-08-456-647B-19

Query Match 16.1%; Score 639 8; DB 1; Length 3120;
 Best Local Similarity 56.5%; Pred. No. 6; e=142;
 Matches 152; Conservative 0; Mismatches 987; Indels 210; Gaps 11;

QY 468 TCCAGCTCTGGTCAGATCCACTGGCCCCCACAGCAGTTGGAGGAGCTGAGGG 527
 Db 629 TCAAGTCAGTGGTCAGATAACCGGCGGCCAAATATGGAGCTGACTTCGAAGAGGA 688
 QY 528 GATGGGGCCTGGTGCAGGCGCAGGGTCGCTGGTGTCCAGGA--GGRAGACTTGCGAG 584
 Db 689 GATGGAGCTGGTGTCCAGATCCAGTGCACCCGATGACTGAGATGGTGAAGATTCTGCGAG 748
 QY 585 GTGATGTCACAAGGACTTCACCTGGCTCGTGGCTGGACCCAGGACATGCGGG 644
 Db 749 ATTGACTTGCGAACCTTACACTTACTCTGTCGGACCCAGGGCSCATSGGG 808
 QY 645 GGCTGGCAAGAGTCTCCGGAGCTACCGCTGGTACTCCGGATGGTCGCC 704
 Db 809 GGCATGGCATGATGTAATGACCGTACAGTACAGTACAGTGGGAGTCGC 868
 QY 705 TGGATGGCTGGAGGACCGCTGGGTAGGGTAGCTAGGCAATGAGACCTGTAG 764
 Db 869 TGGATCCTGCGTAACGGATGGAGAAGGGTCTGTATGGAACAGTAACTTAT 928
 QY 765 GGAGTGGCTGAAGGACTTCACCTGGCTGGCTGGCCACTGTGCTC 824
 Db 929 GATGATTCCTGAGGACTTGGACGCCACCATGTCGCCTTAACCCA 988
 QY 825 CGGCGTACCCGGTCACTGAGTCAGTCTGCTGCTGGGGTAGGCACCTGGG 884
 Db 989 CTCACTGACCACTCCATGAACTGAGTGTGCTGAGTGGCT 1048
 QY 885 GATGGACTCTCTAACCGCCCTGTCGGGAGCACATGTATTATCCTGAGG--- 939
 Db 1049 GATGGCTTGTGATCCPAACTGCTCCAGCTGGAGCAGCTGTTACTCCCTGGAGGCTCC 1108
 QY 940 -CCGTGTTACCTAACGACTTCACCTATGACGGACATACCGTGGGGAGCTGAGCT 1169
 Db 1109 ATCATTATCTGATGATCTGCTGATGATGGAGCTGCTGGTGGACAGCTGAGGG 1168
 QY 999 GGTCTGGCCAGCTGGCAGATGCTGGCTGGCTGGTGGACTTGGAGAGCAGGG 1058
 Db 1226 TACCACTGCGCTGGCTGCTGATGACTGAGTGGATGCGAGAAGTGTACCCACAGGT 1285
 Db 1169 --CTAGGCCAGTGTGACTGATGGAGTATCCGGCTGATGATATTACCAAGACCATGAA 1225
 QY 1059 CTGGGGCTGGCCAGGCTATGACATGTTGGATGGAGCACACAGCTCTCAGTGGC 1118
 Db 1226 TACCACTGCGCTGGCTGCTGATGACTGAGTGGATGCGAGAAGTGTACCCACAGGT 1285
 QY 1119 TATGTTGAGATGGAGTTGAGTTGAGCTGAGGCTGAGGCTGGCCCTCCAGGCTTGAGGTCCC 1178
 Db 1286 TTCACTGAGATCATGTTGAGTTGAGCCATGAGAATTACTACCGAAGGTCCAC 1345
 QY 1179 TGTARACAACTGACACGCGNCGGGGAGCCATGGCCACACAGCTGGGGCTGAATGTCGTC 1238
 Db 1346 TGCAACAACTGAGTGTCTAAAGGTGAGATTTAAGGAGGTCAGHCTACTTTCC 1405
 QY 1239 CGTGGCCCTGCATGGCGGGGGAGCCATGGCCACACACTAGGGGAACTTG 1298
 Db 1406 TOGG--AACCCASCGAGTGGAGAACCACTGCTGTTGAGGTCAGHCTACTTTCC 1462
 QY 1299 GGGGACCCAGAGCCGGGCTGTCAGTGGCCCTGGGGCTGGCTCGCTTCTG 1358
 Db 1463 GTGAACCCAGTGGCGGGTTGTCAGGGCCCCCACACCGAATGGCCAGTGGCC 1522
 QY 1359 CAGTGGCGCATCCCTTTCGGGCCCTGGTACTCTGAGCGAAATCCTCTCATCCT 1418
 Db 1523 AATGCGCATACCATTTGCGACACGTTGATGAGTGTGAGATCCTTCGAACAGA 1582
 QY 1419 GATGGGGTGAACATTCCTCCGGCAGCTGGAGGACCTTCGGCCACCCCTGGTG 1478
 Db 1583 GATGCGCATGATACACTCTGGCGCTTCCACCTCTGAGATGAGATCCTTCGAACAGA 1628
 QY 1479 CGGCCACCTCCACACTCAGGAGCTGGAGGAGGAGGCCAGGAGCCAGGAG 1538
 Db 1629 -----TGGCACCCACCTATGAT 1648

569 ATATGCCCTATCTCTGGCATGTCAGGAGGCCACATCCACATGAGGACATCACAGCC 628

QY 1539 CCCGTGCCAAGGGGAGCCGACCGCCTATGCCATCCTGGCTGGGCCATC 1598
Db 1649 CCATCTTAAAGTGATGATGATGAGTCATGGCCATC 1708
QY 1599 ATCTCTCTCTGCTGCTCATCATGCCTCATGGGGTCACTGGGGACTATTACGGTG 1658
Db 1709 ATCTCTCATCTGCTGCTATCATGTCATCATCTGTGGAGGGAGTCGGAGATC 1768
QY 1659 CTAGCAAGGCTGAAGGGGGTTGGAGAGAGAGCTGACGGTCACTGGGGAGTC 1718
Db 1769 CTAGAAAGGCTCACGGAGATGTTGGATGATAATGACAGTCAGCTTCCTGCC 1828
QY 1719 GGGGACTATCTCATCACACGCCAGGCTCTAGAGAGGCCACCCGTACAGG 1778
Db 1829 AGCGAGTCCAGCATGTCATACACCCCTCTCCTCTCTCTCTCTCTCTCTCT 1882
QY 1779 CCCGGCTGGGAATGCCACTCGCTCCCTGTGTCCTGCTCCAAATGCTCTG 1838
Db 1883 TCAACTCTACTATGATGAACTTCCTGCCCCTGACTACCAAGGCACTCCAG 1942
QY 1839 CTGCTCTCCAAATCCAGCCTACCGCCTCCCTGGCCACHTAC3CCGTCGCC 1898
Db 1943 CTGATC----- 1948
QY 1899 CGGCCCCACACCCGCTGGCAAACCCACCAACCCAGGCCAACGGCTACAGG 1958
Db 1949 ----- 1983
QY 1959 TATATGGACGCTGAGAGCCAGGGCCGCTCTGCCCAACCTCCCAGAACAGG 2018
Db 1984 GTCAAGGTSCAGTGTGTTGAGCCSGCC----- 2038
QY 2019 CCCATTATGCCAGGCTGACATGTTACCTGAGGGGTCAACGGGCAACCTAT 2078
Db 2039 CCCACTATGCCAGGACATAGTGAATCTCCAGGGTGTGGAGAG 2098
QY 2079 GCTGPGCTGCACTGCCCCAG---GGCAGTCGGGAGGGCCCCAGAGGGATTC 2135
Db 2099 TTGTCGCTCTGTGTRACCATGGATCTGCTATCGGGAAAGATGTGGCTGTGGAGAGTC 2158
QY 2136 CCTCGATCTGACTCGCATCGCTCAAGGAGAAAGCTGGGAGGGCTTGAGGTGAC 2195
Db 2159 CCCAGGAACCTGTTGAGGCTCAAGAAGAGAAGCTGGAGAAGGCCAGTGGGGAGTC 2218
QY 2196 CTGTTGAGGCTGAGCAGCCCTAAGATCTGGTAGTGTGATTCCTCTTAATGGGGT 2255
Db 2219 CTCCTGAGGTGGAGGAATCAAGACAAAGATTTGCACTAGATGTCAGT 2278
QY 2256 AAGGACACCCCTGTGTTAGTGTCAAGATCTACGCCAATGCCACCAAGAATGCC 2315
Db 2279 GCAACCAGCTGCTGCTGGGGCTGTAATGCTCCAGCAATGCCACAAAGATG-- 2336
QY 2316 AGCTCTCTGTCTCCAGGATGATTCTGAGAGATCATGCGAGGT 2375
Db 2337 -----CCAGGAATGATCTCTCTAGGAGATCATGTCGCTGCC 2380
QY 2376 AAGGACCCACATCATGGCTCTGGGGTGTGCAAGGAGACCCCCCTCTGCTG 2435
Db 2381 AAGGACCCAAACATCATGCTCTTGTGCACTCTGGAGGCGCTGCTG 2440
QY 2436 ATTACTGACTACAGGAGACGGGACCTCAACAGTCTCTGCTGCCACCGCTGAG 2495
Db 2441 ATCACGGAAATACATGGAGATGATCTAATCAGTTCTTCCTGCCACGGCTG 2500
QY 2496 GACAGGAGGCCAGGGGCCCTGGGAGCCAGGCTGCGAGGGCCACATCGC 2555
Db 2501 A----- 1999
Db 2550 -----GTTCTGTTCTGTTGAGGCCACAGTCAGT 2530
QY 2556 TACCCATCTGCTGCACTGGGAGCCAGATGCCCTCGGCCATGCCATCGGCCACA 2615
Db 2531 TACGCCAACCTGAGTTATGCCACAGATGCCCTGTTGAGTACCTTCGCT 2590
QY 2616 CTCAACTGTACATCGGGACCTGGCCACGGGAACTGCCTAGTTGGGAAATTCAAC 2675

RESULT 13
US-08-237-401A-19
; Sequence 19, Application US/08237401A
; Patent No. 5837448
; GENERAL INFORMATION:
; APPLICANT: Lemke, Ph.D. et al., Greg E.
; TITLE OF INVENTION: PROTEIN-TYROSINE GENES
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/237,401A
; FILING DATE: 02-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/884,486
; FILING DATE: 15-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07251/007001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 678-5070
; TELEFAX: (619) 678-5099
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3120 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA

IMMEDIATE SOURCE:
CLONE: Tyro-10
FEATURE:
NAME/KEY: CDS
LOCATION: 405..3047
US-08-237-401A-19

Query Match Similarity 16.1%; score 639.8; DB 2; Length 3120;
Best Local Similarity 56.5%; Pred. No. 6; 9e-422; Mismatches 0; Indels 210; Gaps 11;

Db 1406 TCGG--AACGCCAGCAGTGGGGAAACCACTGTGTCTACTTCCCCTGTCCTGGAGAT 1462
Qy 1299 GGGACCAGGCCGGGCTCTCGGCCCCCTGGGGCTGGCCCTGGCCCTGGCTCGCTTG 1358
Db 1463 GTGAACCCCAAGGCCGGCTTGTCACGGTGCCTCCACCCGAATGGCAGTGGCCTAC 1522
Qy 1359 CAGTGCCTCTCTTGCGGGCTTGTACTCTTCAAGGAATTGGATCTGCC 1418
Db 1523 AAGTGCCTAAACATTTGCCACAGCTGGATGATGTTACCGAGTCACTTCATCA 1582
Qy 1419 GATGGGGAACATTCCTCGGGCATGGGACTTCGGCCCTGGAGGACTTCGCCAGGGCT 1478
Db 1583 GATGCTGCAATGATAACACTCTGGAGCCCTCCACCTCTCTCTCTCTCTCTCT 1628
Qy 1479 CGCCCTGGCCACCTCCACCAACTTCAGCACGAGTGTGACATCGAC 1538.
Db 629 TCAAGTCAGTGGTCAAGATCCAGGAGGCCAATTCAGATGAGTAGGACATCACAGCC 628
Qy 468 TCCAGCTCCGGTCAAGATTCAGTCAGGAGGCCACAGCAGTGGAGAGCTGACGG 527
Db 528 GATGGGCCCTGGTGGCCCGGAGGGTGGTTTCCAAAGGA1--GGAGGACTTGCA 584
Db 689 GATGCGAGCCGTTGTCCTGTGAGATTCAGTCAGCAACCGATGACCTGAGGAATTCTGCG 748
Qy 585 GTGGGACTACAAACGACTCCACCTGGTGGCTCTGGGGCCACCCAGGGACGCCATGCCGG 644
Db 749 ATGACTCTGGGAAACCTACACTTACACTCTGTGGGGACCCAGGGGCATGCCGG 808
Qy 645 GGCCGGGGCAGGAGCTCTCCGGAGCTACGGCGCGTACTCCGGGATGTGCCGC 704
Db 809 GTGCTGGGCTGTAACCTGGACCCATGTAAGAACGACTACASCGGGATGCC 868
Qy 705 TGATGGCTGGGAGGACCCCTGGGTCAGGGATCTCAGGAATGGACCTGAG 764
Db 869 TGAATCTCCCTGGGTAACCGGCTGTCGGAGCAGGGCTGTCATGGAAACACTTACCT 928
Qy 765 GGAGTGGTGTGAGGACCTGGGCCCATGGTGTGCCGACATGGTTCTCTACCC 824
Db 929 GATGTTACCTGGGAGGACTGGACCCATGTCGGCAGTTGTCCCTATGCC 988
Qy 825 CGGSGTGGGGCATGAGTCGTCGGGAGAGCTCTATGGCTCCCTCGGAG 884
Db 989 GTCACTGACCACTCATGAGTCGTCAGGGTGTGAGTTATGGCTCGGCTA 1048
Qy 885 GATGGACTCTGTTACACGGCCCTGGGGAGACATGTTATCTGAGG---- 939
Db 1049 GATGGCTCTGGTATCTACATGTCCTCCACSTGGAGCAGCAGTTGACTCCCTGGAGGTCTC 1108
Qy 940 -CGGTGACTCTAACGACTCCACCTATGGGGACATACGGTGGGGACTGCCATGG 998
Db 1109 ATCATTGAGATCTGAGTATCTGCTATGAGTGGACCTGAGTGGATGGCTA 1168
Qy 999 GGTCTGGGCCAGGCGACATGGCTGGGGCTGGGAGCTTGGAGAGTCAGGG 1058
Db 1169 --CTAGGGCAGGTGACTGTGGATGGTGGATGGCTGGGAGCTGGGAGCTGG 1225
Qy 1059 CTGGGGCTCTGGCCAGGGTATGCTATGGGGTGGAGCACACAGCTCTCCAGTGGC 1118
Db 1226 TACACGCTGGCTGGCTGGCTATGACTACAGGGGATGGCAGAACGAACTAACCGT 1285
Qy 1119 TACGTGGAGATGGAGTTGGTGGAGCTGGGGCTGGGGCTTCAGGCTATGAGTCAC 1178
Db 1286 TTGTTGAGTACGTTGAGTGGAGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGG 1345
Qy 1179 TGTACAACATGAGACACCGCTGGAGGGCTGGGGCTGGGGCTGGGGCTGGGG 1338
Db 1346 TGGACACACATGGTTGCTAACAGGGTGTGAGATTTAACGGAGCTGGGGCTGGGG 105
Qy 1239 CGTGGCCCTGCCATGGCTGGGGGGAGGCCATGCCAACCTAGGGGCAACCTG 1298

Db 1406 TCGG--AACGCCAGCAGTGGGGAAACCACTGTGTCTACTTCCCCTGTCCTGGAGAT 1462
Qy 1299 GGGACCAGGCCGGGCTCTCGGCCCCCTGGGGCTGGCCCTGGCCCTGGCTCGCTTG 1358
Db 1463 GTGAACCCCAAGGCCGGCTTGTCACGGTGCCTCCACCCGAATGGCAGTGGCCTAC 1522
Qy 1359 CAGTGCCTCTCTTGCGGGCTTGTACTCTTCAAGGAATTGGATCTGCC 1418
Db 1523 AAGTGCCTAAACATTTGCCACAGCTGGATGATGTTACCGAGTCACTTCATCA 1582
Qy 1419 GATGGGGAACATTCCTCGGGCATGGGACTTCGGCCCTGGAGGACTTCGCCAGGGCT 1478
Db 1583 GATGCTGCAATGATAACACTCTGGAGCCCTCCACCTCTCTCTCTCTCTCTCT 1628
Qy 1479 CGCCCTGGCCACCTCCACCAACTTCAGCACGAGTGTGACATCGAC 1538.
Db 1629 -----TGGACCCACACCATATGAT 1648
Db 1649 CCCATGCTTAAGTGTGATGAGACACCTGAGTCACTGGATCTGTGATGTTGCTGGCCATC 1708
Db 1649 ATCCGTGCTCTGCTGCTCATCATGTCGCCCTCATGGCTGCTGTGGCCATC 1598
Db 1709 ATCTTCCTCTCTGGCTATCATGTCATCATGTCATCATCTCTCTGAGGAGATG 1768
Qy 1659 CTGAGCAGGGTAAAGGGGGTGTGGAGAAGGAGCTGAGGCCACCCCTGGTCTCACCTCTCTCTCT 1718
Db 1769 CTGAGAAGGCTGAGGAGATGAGTAAATGAGCTGAGTCAGCTGCTGTGGCTGGCCATC 1828
Qy 1719 GGGGAACTATCTCACACACCCCTGGGTCTAGAGGCCACCCCTACAGG 1778
Db 1829 AGCGAATTCAGCATGTCATAACACGGCTGGAGTCAG 1882
Qy 1779 CCCGGCCTCGGGGATCCGCCCACTCCACTCCCTGTCCTGGCCATATGCTCTCGTGTG 1838
Db 1883 TCCAATCTACTATGATGATGATCTCCCTCTGGCCCTGACTACAGGACCCATCC 1942
Qy 1839 CTGCTCTCAATCCAGCTTACGCCCTACGCCCTCTGGGACTACTACAGGACCCATCC 1898
Db 1943 CTGATC----- 1948
Db 1949 -----CGAAGCTTCAGAGTTGCTCCAGAG 1983
Qy 1959 TATATGGCTGAGGAGCCGGGCCCTTCGCCCTCTCCACCTCCAGAACAGCGTC 2018
Db 1984 GTCAAGGGCTGGCTGGTGTGAGAACGCC-----CGACCACTGGACTGAGGGCTG 2038
Qy 2019 CCCATTATGGCAGGCTGACATGGTTACCTGGAGGGCTCACGGGGCTCACGGGGCTCACACCT 2078
Db 2039 CCCACTATGGAGAACGCCAGATGATCTCCAGGGATGAGTGGCAACCTAC 2098
Qy 2079 GCTGRCCTCACTGCCCA---GGGAGCTGCGGATGGCCCCCTGGAGGTTC 2135
Db 2099 TGTGRCCTCTGGTAAACCATGGATCTGCTATGGGGAAAGATGTTGGCTGGAGAGTC 2158
Qy 2136 CCTCGATCTGACTCGCTCAAGGAGAGCTGGGGATGGCCCCCTGGAGGTGCA 2195
Db 2159 CCCAGAACTGTTGCTCAAGGAGAGCTGGGGATGGCCCCCTGGAGGTGCA 2218
Qy 2196 CTGCTGGAGGCTGACGCCCTCAAGGATCTGGTACTGCTGTTGGAGGCTGGGGCT 2255
Db 2219 CTCTGAGGAGGGATGGGAAATCAAGAACAGATGCTGAGTGGCTGGAGGTC 2278
Qy 2256 AAGGACACCTTCTGGCTGGCTGAGATCTACGCCAGTGCCTCCAGATGCC 2315
Db 2279 GCCAACACGCTGCTGGGGCTGGGGCTGAAATGCTGGAGGAGTCACAGAAGTC 2336
Qy 2316 AGCTCTCTGTTCTCCAGGAACTGGAGAGATGAGGAGTCAGTGGCTGAGGTC 2375

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Spatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/286, 305A
 FILING DATE: 05-AUG-1994
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M.
 REGISTRATION NUMBER: 00, 000
 REFERENCE/DOCKET NUMBER: 854C1P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1994
 TELEFAX: 415/952-9881
 TELEX: 910-371-7168
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2820 bases
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 ; US-08-286-305A-4

Query Match Best Local Similarity 4.68; Score 182.2; DB 1; Length 2820;
 Matches 348; Conservative 0; Pred. No. 9.3e-34; Mismatches 218; Indels 15; Gaps 2;

US-08-286-305A-4
 Sequence 4, Application US/08286305A
 Patent No. 576683
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J.
 APPLICANT: Mark, Melanie R.
 APPLICANT: Sadick, Michael D.
 APPLICANT: Shelton, David L.
 APPLICANT: Wong, Wai Lee Tien
 TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
 COMPUTER: IBM PC compatible

RESULT 14
 US-08-286-305A-4

Db 2337 ---CCAGGAATGATTCTTCTAGGAGTCAGATCATGTCGGCCTC 2380
 Qy 2376 AAGGCCCAACATCATCGCTGCTGGGTGTTGAGGACCCCCCTCTGCATG 2435
 Db 2381 AAGGCCAACATCATCGCTCTAGCTGCTACTGAGGACCCGCTCTGCATG 2440
 Qy 2436 ATATCGACTACATGAGAACGGGACCCAAAGCTCTACTGGCCACCTACTGGG 2495
 Db 2441 ATCAGGGATACTATGAGATGAGATCTAATGTTCTTCGCCCACGACCTCTGCATG 2500
 Qy 2496 GACAAGGCAGCCAGGGGCCCTGGGACGGCAGGGCAGGGCCACCATCAGC 2555
 Db 2501 A-----GTTCTGTTCTAGTGATGCCACAGTCAGT 2530
 Qy 2556 TACCCAAATGCTGCTCATGGGAGCCAGATCGCCCTCGGCATGCGCTATCGGCCACA 2615
 Db 2531 TACGCAACCTGAGTTATGGCACCCAGATGCGCTCTGGTATGAGATCTCGCT 2590
 Qy 2616 CTCAACTTGATCGAGCTGGACCTGGCCAGCGGACTSCTGTTGGGAAATTTCACC 2775
 Db 2591 CTCAACTTGCTCACCGAGCTGGGAACTTGGGAAATTACACC 2650
 Qy 2676 ATCAAATGCGAGACTTGGCATGAGCCGAACCTCTATGCTGGACTATTCCTG 2735
 Db 2651 ATCAAAGATGCTGATTGGCATGAGCAGAACCTGTACGTGTTGATTAACCGGATC 2710
 Qy 2736 CAGGCCGCGGCCGCTCCCATTCGCTGAGTCCTGGGAGTCATCTCATGGGAG 2795
 Db 2711 CAGGCCGCGGCCGCTCCCATTCGCTGATTCCTGGGAGAACATGCTGCGCAA 2770
 Qy 2796 TTCAAGACTCGAGGACGGTGGACCGCTGGTGGGGAGCTGGTGGAGGCTGATGCG 2855
 Db 2771 TTCAACACCGCAAGTGAATGTTGGCCCTTGGGTGACCTTCACCTT 2830
 Qy 2856 TGAGGGCCAGCCCTTGGGACTCTACCGAGAGCAGCTGAGGAGACCTTCACCTT 2815
 Db 2831 TGCAGGAGGAGCCATTGGCACTCTGGTGGATGAGCAAGTATGAGAACACCTGGAG 2890
 Qy 2916 TTCTTCCGGACAGGGGGGGCGCTGGTGTACTCTTCCGGCGCTGCCCTGGGG 2975
 Db 2891 TTCTTCCGGACAGGGGGGGCGCTGGTGTACTCTTCCGGCGCTGCCCTGGGG 2950
 Qy 2976 CTATAGAGCTGCTGGGTGAGCTGGACGGGAGTCAGGAGGACCCCTTTC 3035
 Db 2951 GTGTTATAACTGTTGCTCAGCTGTGGAGAGAGAAACCAAGACGGCCATCTCCAG 3010
 Qy 3036 CAGCTGCACTGGTCTTGGCAGGGATGACTACAGGGTGAAATCA 3034
 Db 3011 GAAATACACCTCTGCTCTACAGGGAGGGGATGATGATGATGATCA 3059

Qy 2562 ATGGTGTCTCATGGCACCCAGATGCCCTCCGGCATCGCTATCTGGCACACTCAC 2621
 Db 2222 CAGCTGCTGGCGTGTGCTGACCGTGTGCGGGATGTTGACTCTGGGGTGTGCT 2281
 Qy 2622 TTGTACATGGGACTGGCCACGGGAAGTGCCTAGTTGGAAAATTTCACCATCAA 2681
 Db 2282 TTGTGACCTGGGACTGGCCACGGGAAGTGCCTAGTTGGAAAATTTCACCATCAA 2681
 Qy 2682 ATCGCAGACTTGGCATGAGCCGGACCTATCTGGGACTATTACCGTGTGAGGC 2741
 Db 2342 ATTTGGTATTTGGCATGAGCAGGGATATCACGACGGACTATTACCGTGTGAGGC 2401
 Qy 2742 CGGGCAGTCTGCCCATGGCTGAGGATCTCCATGGGAAGTTCAGC 2801
 Db 2402 CGCACATCTGCCCATGGCTGAGGATCTCCATGGGAAGTTCAGC 2461
 Qy 2802 ACTGGCAGCTGGCCATGGCTGAGGATCTCCATGGGAAGTTCAGC 2861
 Db 2462 ACCGAGGAGGACCTGGGAGCTGGCTGCTGAGGATCTCCATGGGAAGTTCAGC 2521
 Qy 2862 GCCGAGCTTGGGAGCTGGCTGAGGATCTCCATGGGAAGTTCAGC 2902
 Db 2522 ---CAGCCTGGTACCACTCTCCAACAGGGAGCAATGCA 2559

RESULT 15
 US-08-441-104A-4
 ; Sequence 4, Application US/08441104A
 ; Patent No. 5891650
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J.
 APPLICANT: Mark, Melanie R.
 APPLICANT: Sadick, Michael D.
 APPLICANT: Sheldon, David L.
 APPLICANT: Wong, Wai Lee Tan
 TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 MEDIUM TYPE: 3.5 inch, 720 Kb floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/441,104A
 FILING DATE: 15-MAY-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/206305
 FILING DATE: 03-AUG-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M.
 REGISTRATION NUMBER: 00, 000
 REFERENCE/DOCKET NUMBER: 854C1P1C2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1994
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2820 bases
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 US-08-441-104A-4

Db 2173 -----GCTGCTGCTGGGGAGATGTCCTCCAGGCCCTGGGTCTGGGG 2221
 Qy 2562 ATGCCTCTGCATGTGCAAGCCAGATGCCCTGGCATCTGCAC 2621
 Db 2222 CAGCTGCGGGTGGACTAGCGTGGCTGGGGATGGTACTGGGGCTGCA 2281
 Qy 2622 TTGTCATCGGACTCTGCACCGGAATGCTGCTGTGGAAATTTCACCATCAA 2681
 Db 2282 TTGTCACCGGGACCTGGCCACAGCAGTCTGAGTGGCCAGGA 2341
 Qy 2682 ATCCAGACATGGATGAGCGGAACTCTATGGGAGCTTACCTGGAGGC 2741
 Db 2342 ATGGTGATTTGGCATGGCAGGGATACTACACCACTATTACCGTGGAGSC 2401
 Qy 2742 CGGGAGTGTGCCCCATCCGCTGGATGGCCTGGAGATGTCATCCATGGGAGTCAG 2801
 Db 2402 CGCACATGGCCATTCGCTGGATGGAGACATCTGAGCTGGAGTCAC 2461
 Qy 2802 ACTGGAGTAGCTGGCTGGTGACCTGGGGAGCTGTGAGTCCTGTAGG 2861
 Db 2462 ACCAGAGCAGTGGAGCTTCGGCTGGAGTCCTGGAGATTCACCTAGGCA 2521
 Qy 2862 GCCACCCCTGGCAGCTACCGACGGACAGGTCAG 2902
 Db 2522 --CAGCCCTGGTACCGCTCCACACGGAGGAATGCA 2559

Search completed: October 5, 2002, 20:20:09
 Job time: 22867 sec